

Paolo Provero

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

4,758
citations

117625

34
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106344

65
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98
all docs

98
docs citations

98
times ranked

9832
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | EWS-FLI-1 Expression Triggers a Ewing's Sarcoma Initiation Program in Primary Human Mesenchymal Stem Cells. <i>Cancer Research</i> , 2008, 68, 2176-2185. | 0.9 | 293 |
| 2 | Identification of Cancer Stem Cells in Ewing's Sarcoma. <i>Cancer Research</i> , 2009, 69, 1776-1781. | 0.9 | 291 |
| 3 | EWS-FLI-1 modulates miRNA145 and <i>SOX2</i> expression to initiate mesenchymal stem cell reprogramming toward Ewing sarcoma cancer stem cells. <i>Genes and Development</i> , 2010, 24, 916-932. | 5.9 | 254 |
| 4 | An Integrated Genome-wide CRISPRa Approach to Functionalize lncRNAs in Drug Resistance. <i>Cell</i> , 2018, 173, 649-664.e20. | 28.9 | 238 |
| 5 | A STAT3-mediated metabolic switch is involved in tumour transformation and STAT3 addiction. <i>Aging</i> , 2010, 2, 823-842. | 3.1 | 231 |
| 6 | AKI Recovery Induced by Mesenchymal Stromal Cell-Derived Extracellular Vesicles Carrying MicroRNAs. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2349-2360. | 6.1 | 212 |
| 7 | Combined CSL and p53 downregulation promotes cancer-associated fibroblast activation. <i>Nature Cell Biology</i> , 2015, 17, 1193-1204. | 10.3 | 170 |
| 8 | Behavioral and Psychological Effects of Coronavirus Disease-19 Quarantine in Patients With Dementia. <i>Frontiers in Psychiatry</i> , 2020, 11, 578015. | 2.6 | 157 |
| 9 | Identification of Prognostic Molecular Features in the Reactive Stroma of Human Breast and Prostate Cancer. <i>PLoS ONE</i> , 2011, 6, e18640. | 2.5 | 140 |
| 10 | Constitutively Active Stat3 Enhances Neu-Mediated Migration and Metastasis in Mammary Tumors via Upregulation of Cten. <i>Cancer Research</i> , 2010, 70, 2558-2567. | 0.9 | 131 |
| 11 | Extracellular Vesicles Released from Mesenchymal Stromal Cells Modulate miRNA in Renal Tubular Cells and Inhibit ATP Depletion Injury. <i>Stem Cells and Development</i> , 2014, 23, 1809-1819. | 2.1 | 121 |
| 12 | Prediction of Human Disease Genes by Human-Mouse Conserved Coexpression Analysis. <i>PLoS Computational Biology</i> , 2008, 4, e1000043. | 3.2 | 119 |
| 13 | PERK induces resistance to cell death elicited by endoplasmic reticulum stress and chemotherapy. <i>Molecular Cancer</i> , 2017, 16, 91. | 19.2 | 115 |
| 14 | DNA methylation changes measured in pre-diagnostic peripheral blood samples are associated with smoking and lung cancer risk. <i>International Journal of Cancer</i> , 2017, 140, 50-61. | 5.1 | 115 |
| 15 | The RNA Binding Protein IMP2 Preserves Glioblastoma Stem Cells by Preventing let-7 Target Gene Silencing. <i>Cell Reports</i> , 2016, 15, 1634-1647. | 6.4 | 103 |
| 16 | Shortening of 3'UTRs Correlates with Poor Prognosis in Breast and Lung Cancer. <i>PLoS ONE</i> , 2012, 7, e31129. | 2.5 | 95 |
| 17 | A TARBP2-Dependent miRNA Expression Profile Underlies Cancer Stem Cell Properties and Provides Candidate Therapeutic Reagents in Ewing Sarcoma. <i>Cancer Cell</i> , 2012, 21, 807-821. | 16.8 | 89 |
| 18 | Genome-wide discovery of functional transcription factor binding sites by comparative genomics: The case of Stat3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5117-5122. | 7.1 | 73 |

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|----|--|------|-----------|
| 19 | The IKK/NF- κ B signaling pathway requires Morgana to drive breast cancer metastasis. <i>Nature Communications</i> , 2017, 8, 1636. | 12.8 | 73 |
| 20 | Partial inhibition of gp130-Jak-Stat3 signaling prevents Wnt- β -catenin-mediated intestinal tumor growth and regeneration. <i>Science Signaling</i> , 2014, 7, ra92. | 3.6 | 68 |
| 21 | miR-214 and miR-148b Targeting Inhibits Dissemination of Melanoma and Breast Cancer. <i>Cancer Research</i> , 2016, 76, 5151-5162. | 0.9 | 65 |
| 22 | Roar: detecting alternative polyadenylation with standard mRNA sequencing libraries. <i>BMC Bioinformatics</i> , 2016, 17, 423. | 2.6 | 64 |
| 23 | miR-223 Is a Coordinator of Breast Cancer Progression as Revealed by Bioinformatics Predictions. <i>PLoS ONE</i> , 2014, 9, e84859. | 2.5 | 61 |
| 24 | Subtype-Specific Metagene-Based Prediction of Outcome after Neoadjuvant and Adjuvant Treatment in Breast Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 337-345. | 7.0 | 58 |
| 25 | The <i>Dlx5</i> and <i>Foxg1</i> transcription factors, linked via miRNA-9 and -200, are required for the development of the olfactory and GnRH system. <i>Molecular and Cellular Neurosciences</i> , 2015, 68, 103-119. | 2.2 | 51 |
| 26 | STAT3-mediated activation of microRNA cluster 17-92 promotes proliferation and survival of ALK-positive anaplastic large cell lymphoma. <i>Haematologica</i> , 2014, 99, 116-124. | 3.5 | 50 |
| 27 | Reciprocal modulation of mesenchymal stem cells and tumor cells promotes lung cancer metastasis. <i>EBioMedicine</i> , 2018, 29, 128-145. | 6.1 | 50 |
| 28 | An atlas of tissue-specific conserved coexpression for functional annotation and disease gene prediction. <i>European Journal of Human Genetics</i> , 2011, 19, 1173-1180. | 2.8 | 49 |
| 29 | Alternative Polyadenylation in Triple-Negative Breast Tumors Allows NRAS and c-JUN to Bypass PUMILIO Posttranscriptional Regulation. <i>Cancer Research</i> , 2016, 76, 7231-7241. | 0.9 | 47 |
| 30 | In silico prediction of lncRNA function using tissue specific and evolutionary conserved expression. <i>BMC Bioinformatics</i> , 2017, 18, 144. | 2.6 | 42 |
| 31 | A comparison of machine learning techniques for survival prediction in breast cancer. <i>BioData Mining</i> , 2011, 4, 12. | 4.0 | 41 |
| 32 | Epigenetic Features of Human Mesenchymal Stem Cells Determine Their Permissiveness for Induction of Relevant Transcriptional Changes by SYT-SSX1. <i>PLoS ONE</i> , 2009, 4, e7904. | 2.5 | 40 |
| 33 | Renal Regenerative Potential of Extracellular Vesicles Derived from miRNA-Engineered Mesenchymal Stromal Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2381. | 4.1 | 40 |
| 34 | miR-146a Exerts Differential Effects on Melanoma Growth and Metastatization. <i>Molecular Cancer Research</i> , 2016, 14, 548-562. | 3.4 | 39 |
| 35 | miR-221/222 control luminal breast cancer tumor progression by regulating different targets. <i>Cell Cycle</i> , 2014, 13, 1811-1826. | 2.6 | 38 |
| 36 | The fusion protein SS18-SSX1 employs core Wnt pathway transcription factors to induce a partial Wnt signature in synovial sarcoma. <i>Scientific Reports</i> , 2016, 6, 22113. | 3.3 | 33 |

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|----|---|------|-----------|
| 37 | Choice of Alternative Polyadenylation Sites, Mediated by the RNA-Binding Protein Elavl3, Plays a Role in Differentiation of Inhibitory Neuronal Progenitors. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 518. | 3.7 | 33 |
| 38 | An exclusive cellular and molecular network governs intestinal smooth muscle cell differentiation in vertebrates. <i>Development (Cambridge)</i> , 2017, 144, 464-478. | 2.5 | 31 |
| 39 | Evolutionary Rewiring of Human Regulatory Networks by Waves of Genome Expansion. <i>American Journal of Human Genetics</i> , 2018, 102, 207-218. | 6.2 | 31 |
| 40 | Identification of functional TFAP2A and SP1 binding sites in new TFAP2A-modulated genes. <i>BMC Genomics</i> , 2010, 11, 355. | 2.8 | 30 |
| 41 | Deep Sequencing Reveals a Novel miR-22 Regulatory Network with Therapeutic Potential in Rhabdomyosarcoma. <i>Cancer Research</i> , 2016, 76, 6095-6106. | 0.9 | 30 |
| 42 | p130Cas promotes invasiveness of three-dimensional ErbB2-transformed mammary acinar structures by enhanced activation of mTOR/p70S6K and Rac1. <i>European Journal of Cell Biology</i> , 2011, 90, 237-248. | 3.6 | 29 |
| 43 | The heme synthesis-export system regulates the tricarboxylic acid cycle flux and oxidative phosphorylation. <i>Cell Reports</i> , 2021, 35, 109252. | 6.4 | 29 |
| 44 | Evolution of Promoter Affinity for Transcription Factors in the Human Lineage. <i>Molecular Biology and Evolution</i> , 2011, 28, 2173-2183. | 8.9 | 28 |
| 45 | Targeting Cancer Stem-like Cells as an Approach to Defeating Cellular Heterogeneity in Ewing Sarcoma. <i>Cancer Research</i> , 2014, 74, 6610-6622. | 0.9 | 28 |
| 46 | IRF4 Mediates the Oncogenic Effects of STAT3 in Anaplastic Large Cell Lymphomas. <i>Cancers</i> , 2018, 10, 21. | 3.7 | 28 |
| 47 | Differential Co-Expression Analyses Allow the Identification of Critical Signalling Pathways Altered during Tumour Transformation and Progression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9461. | 4.1 | 27 |
| 48 | IL17A critically shapes the transcriptional program of fibroblasts in pancreatic cancer and switches on their protumorigenic functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 27 |
| 49 | Modeling the Spread of Vector-Borne Diseases on Bipartite Networks. <i>PLoS ONE</i> , 2010, 5, e13796. | 2.5 | 27 |
| 50 | The scaffold protein p140Cap limits ERBB2-mediated breast cancer progression interfering with Rac GTPase-controlled circuitries. <i>Nature Communications</i> , 2017, 8, 14797. | 12.8 | 26 |
| 51 | MicroRNAs-143 and -145 induce epithelial to mesenchymal transition and modulate the expression of junction proteins. <i>Cell Death and Differentiation</i> , 2017, 24, 1750-1760. | 11.2 | 26 |
| 52 | Post-transcriptional gene expression control by NANOS is up-regulated and functionally important in pR-deficient cells. <i>EMBO Journal</i> , 2014, 33, 2201-2215. | 7.8 | 25 |
| 53 | Rictor/mTORC2 deficiency enhances keratinocyte stress tolerance via mitohormesis. <i>Cell Death and Differentiation</i> , 2017, 24, 731-746. | 11.2 | 24 |
| 54 | Genome-wide Identification and Characterization of Fixed Human-Specific Regulatory Regions. <i>American Journal of Human Genetics</i> , 2014, 95, 39-48. | 6.2 | 23 |

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|----|---|-----|-----------|
| 55 | The Length of the Expressed 3' UTR Is an Intermediate Molecular Phenotype Linking Genetic Variants to Complex Diseases. <i>Frontiers in Genetics</i> , 2019, 10, 714. | 2.3 | 23 |
| 56 | Optic nerve sheath diameter asymmetry in healthy subjects and patients with intracranial hypertension. <i>Neurological Sciences</i> , 2020, 41, 329-333. | 1.9 | 23 |
| 57 | CLOE: identification of putative functional relationships among genes by comparison of expression profiles between two species. <i>BMC Bioinformatics</i> , 2004, 5, 179. | 2.6 | 21 |
| 58 | Morgana acts as a proto-oncogene through inhibition of a ROCK-PTEN pathway. <i>Journal of Pathology</i> , 2014, 234, 152-163. | 4.5 | 21 |
| 59 | SP1 and STAT3 Functionally Synergize to Induce the RhoU Small GTPase and a Subclass of Non-canonical WNT Responsive Genes Correlating with Poor Prognosis in Breast Cancer. <i>Cancers</i> , 2019, 11, 101. | 3.7 | 21 |
| 60 | LIN28B Underlies the Pathogenesis of a Subclass of Ewing Sarcoma. <i>Cell Reports</i> , 2020, 30, 4567-4583.e5. | 6.4 | 20 |
| 61 | Functional Annotation and Identification of Candidate Disease Genes by Computational Analysis of Normal Tissue Gene Expression Data. <i>PLoS ONE</i> , 2008, 3, e2439. | 2.5 | 20 |
| 62 | Identification of p130Cas/ErbB2-dependent invasive signatures in transformed mammary epithelial cells. <i>Cell Cycle</i> , 2013, 12, 2409-2422. | 2.6 | 18 |
| 63 | The My Active and Healthy Aging ICT platform prevents quality of life decline in older adults: a randomised controlled study. <i>Age and Ageing</i> , 2021, 50, 1261-1267. | 1.6 | 18 |
| 64 | The chromatin landscape of primary synovial sarcoma organoids is linked to specific epigenetic mechanisms and dependencies. <i>Life Science Alliance</i> , 2021, 4, e202000808. | 2.8 | 18 |
| 65 | Dysregulation of Blimp1 transcriptional repressor unleashes p130Cas/ErbB2 breast cancer invasion. <i>Scientific Reports</i> , 2017, 7, 1145. | 3.3 | 17 |
| 66 | Total Binding Affinity Profiles of Regulatory Regions Predict Transcription Factor Binding and Gene Expression in Human Cells. <i>PLoS ONE</i> , 2015, 10, e0143627. | 2.5 | 17 |
| 67 | Proteomics-Based Evidence for a Pro-Oncogenic Role of ESRP1 in Human Colorectal Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 575. | 4.1 | 12 |
| 68 | Drug repositioning for orphan genetic diseases through Conserved Anticoexpressed Gene Clusters (CAGCs). <i>BMC Bioinformatics</i> , 2013, 14, 288. | 2.6 | 11 |
| 69 | Soluble Neuregulin1 Down-Regulates Myelination Genes in Schwann Cells. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 157. | 2.9 | 11 |
| 70 | Interference with the Cannabinoid Receptor CB1R Results in Miswiring of GnRH3 and AgRP1 Axons in Zebrafish Embryos. <i>International Journal of Molecular Sciences</i> , 2020, 21, 168. | 4.1 | 11 |
| 71 | Toward robust network based complex systems: from evolutionary cellular automata to biological models. <i>Intelligenza Artificiale</i> , 2011, 5, 37-47. | 1.6 | 10 |
| 72 | MiR-100 is a predictor of endocrine responsiveness and prognosis in patients with operable luminal breast cancer. <i>ESMO Open</i> , 2020, 5, e000937. | 4.5 | 10 |

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|----|---|------|-----------|
| 73 | Accurate Data Processing Improves the Reliability of Affymetrix Gene Expression Profiles from FFPE Samples. PLoS ONE, 2014, 9, e86511. | 2.5 | 10 |
| 74 | A Signature Inferred from Drosophila Mitotic Genes Predicts Survival of Breast Cancer Patients. PLoS ONE, 2011, 6, e14737. | 2.5 | 9 |
| 75 | Profiling, Bioinformatic, and Functional Data on the Developing Olfactory/GnRH System Reveal Cellular and Molecular Pathways Essential for This Process and Potentially Relevant for the Kallmann Syndrome. Frontiers in Endocrinology, 2013, 4, 203. | 3.5 | 9 |
| 76 | Meta-Analysis of Microdissected Breast Tumors Reveals Genes Regulated in the Stroma but Hidden in Bulk Analysis. Cancers, 2021, 13, 3371. | 3.7 | 9 |
| 77 | Identification of Functional cis-regulatory Polymorphisms in the Human Genome. Human Mutation, 2013, 34, 735-742. | 2.5 | 8 |
| 78 | OTX2 regulates the expression of TAp63 leading to macular and cochlear neuroepithelium development. Aging, 2015, 7, 928-936. | 3.1 | 7 |
| 79 | Liver-Specific siRNA-Mediated Stat3 or C3 Knockdown Improves the Outcome of Experimental Autoimmune Myocarditis. Molecular Therapy - Methods and Clinical Development, 2020, 18, 62-72. | 4.1 | 5 |
| 80 | A live single-cell reporter assay links intratumor heterogeneity to metastatic proclivity in Ewing sarcoma. Science Advances, 2021, 7, . | 10.3 | 5 |
| 81 | Hepatocyte Growth Factor-mediated satellite cells niche perturbation promotes development of distinct sarcoma subtypes. ELife, 2016, 5, . | 6.0 | 5 |
| 82 | A functional strategy to characterize expression Quantitative Trait Loci. Human Genetics, 2017, 136, 1477-1487. | 3.8 | 4 |
| 83 | ESDN inhibits melanoma progression by blocking E-selectin expression in endothelial cells via STAT3. Cancer Letters, 2021, 510, 13-23. | 7.2 | 4 |
| 84 | Chromas from chromatin: sonification of the epigenome. F1000Research, 2016, 5, 274. | 1.6 | 3 |
| 85 | Cancer Metabolic Subtypes and Their Association with Molecular and Clinical Features. Cancers, 2022, 14, 2145. | 3.7 | 3 |
| 86 | Deletion of a pseudogene within a fragile site triggers the oncogenic expression of the mitotic CCSER1 gene. Life Science Alliance, 2021, 4, e202101019. | 2.8 | 2 |
| 87 | eQTL Mapping Using Transcription Factor Affinity. Methods in Molecular Biology, 2020, 2082, 39-49. | 0.9 | 1 |
| 88 | Pseudogenes as Competitive Endogenous RNAs: Target Prediction and Validation. Methods in Molecular Biology, 2021, 2324, 115-129. | 0.9 | 0 |