

# MÃ”nica Beltrame

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/45208/publications.pdf>

Version: 2024-02-01

31  
papers

1,693  
citations

394421

19  
h-index

414414

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2530  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Protein HU binds specifically to kinked DNA. <i>Molecular Microbiology</i> , 1993, 7, 343-350.   | 2.5  | 187       |
| 2  | Sox18 and Sox7 play redundant roles in vascular development. <i>Blood</i> , 2008, 111, 2657-2666.  | 1.4  | 179       |
| 3  | SoxF genes: Key players in the development of the cardio-vascular system. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 445-448.   | 2.8  | 137       |
| 4  | Engineering of a light-gated potassium channel. <i>Science</i> , 2015, 348, 707-710.   | 12.6 | 133       |
| 5  | The RAG1 Homeodomain Recruits HMG1 and HMG2 To Facilitate Recombination Signal Sequence Binding and To Enhance the Intrinsic DNA-Bending Activity of RAG1-RAG2. <i>Molecular and Cellular Biology</i> , 1999, 19, 6532-6542. | 2.3  | 112       |
| 6  | Flexing DNA: HMG-Box Proteins and Their Partners. <i>American Journal of Human Genetics</i> , 1998, 63, 1573-1577.   | 6.2  | 110       |
| 7  | Hyperpolarization-activated Cyclic Nucleotide-gated Channel 1 Is a Molecular Determinant of the Cardiac Pacemaker Current I <sub>f</sub> . <i>Journal of Biological Chemistry</i> , 2001, 276, 29233-29241.                  | 3.4  | 95        |
| 8  | Mutational analysis of an essential binding site for the U3 snoRNA in the 5' external transcribed spacer of yeast pre-rRNA. <i>Nucleic Acids Research</i> , 1994, 22, 5139-5147.   | 14.5 | 91        |
| 9  | AÅ peptides accelerate the senescence of endothelial cells <i>in vitro</i> and <i>in vivo</i> , impairing angiogenesis. <i>FASEB Journal</i> , 2010, 24, 2385-2395.   | 0.5  | 79        |
| 10 | Mutational analysis of an essential binding site for the U3 snoRNA in the 5' external transcribed spacer of yeast pre-rRNA. <i>Nucleic Acids Research</i> , 1994, 22, 4057-4065.   | 14.5 | 61        |
| 11 | Expression patterns of zebrafish sox11A, sox11B and sox21. <i>Mechanisms of Development</i> , 1999, 89, 167-171.   | 1.7  | 52        |
| 12 | A light-gated potassium channel for sustained neuronal inhibition. <i>Nature Methods</i> , 2018, 15, 969-976.  | 19.0 | 47        |
| 13 | SoxF factors induce Notch1 expression via direct transcriptional regulation during early arterial development. <i>Development (Cambridge)</i> , 2017, 144, 2629-2639.  | 2.5  | 43        |
| 14 | Ectopic expression and knockdown of a zebrafish sox21 reveal its role as a transcriptional repressor in early development. <i>Mechanisms of Development</i> , 2004, 121, 131-142.  | 1.7  | 38        |
| 15 | Comparative Genome Analysis of the Neurexin Gene Family in <i>Danio rerio</i> : Insights into Their Functions and Evolution. <i>Molecular Biology and Evolution</i> , 2007, 24, 236-252.                                     | 8.9  | 38        |
| 16 | Sox18 Genetically Interacts With VegfC to Regulate Lymphangiogenesis in Zebrafish. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1238-1247.  | 2.4  | 38        |
| 17 | Nfix Induces a Switch in Sox6 Transcriptional Activity to Regulate MyHC-I Expression in Fetal Muscle. <i>Cell Reports</i> , 2016, 17, 2354-2366.   | 6.4  | 34        |
| 18 | The HMGB protein gene family in zebrafish: Evolution and embryonic expression patterns. <i>Gene Expression Patterns</i> , 2011, 11, 3-11.  | 0.8  | 33        |

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|----|---|------|-----------|
| 19 | The Synaptic Proteins $\beta$ -Neurexin and Neuroligin Synergize With Extracellular Matrix-Binding Vascular Endothelial Growth Factor A During Zebrafish Vascular Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1563-1572. | 2.4  | 24        |
| 20 | Characterization of the neuroligin gene family expression and evolution in zebrafish. <i>Developmental Dynamics</i> , 2010, 239, 688-702.   | 1.8  | 19        |
| 21 | Sequence of the cDNA for one acidic ribosomal protein of <i>Schizosaccharomyces pombe</i> . <i>Nucleic Acids Research</i> , 1987, 15, 9089-9089.  | 14.5 | 17        |
| 22 | Ve-ptp Modulates Vascular Integrity by Promoting Adherens Junction Maturation. <i>PLoS ONE</i> , 2012, 7, e51245.   | 2.5  | 17        |
| 23 | ESCRT genes and regulation of developmental signaling. <i>Seminars in Cell and Developmental Biology</i> , 2018, 74, 29-39.   | 5.0  | 16        |
| 24 | Zebrafish Numb and Numlike Are Involved in Primitive Erythrocyte Differentiation. <i>PLoS ONE</i> , 2010, 5, e14296.  | 2.5  | 16        |
| 25 | Sox Factors Transcriptionally Regulate ROBO4 Gene Expression in Developing Vasculature in Zebrafish. <i>Journal of Biological Chemistry</i> , 2011, 286, 30740-30747.   | 3.4  | 15        |
| 26 | Characterization and expression analysis of mcoln1.1 and mcoln1.2, the putative zebrafish co-orthologs of the gene responsible for human mucopolipidosis type IV. <i>International Journal of Developmental Biology</i> , 2013, 57, 85-93.                      | 0.6  | 10        |
| 27 | Zebrafish Tmem230a cooperates with the Delta/Notch signaling pathway to modulate endothelial cell number in angiogenic vessels. <i>Journal of Cellular Physiology</i> , 2018, 233, 1455-1467.   | 4.1  | 10        |
| 28 | Cloning and expression pattern of a zebrafish homolog of forkhead activin signal transducer (FAST), a transcription factor mediating Nodal-related signals. <i>Mechanisms of Development</i> , 2000, 99, 187-190.   | 1.7  | 8         |
| 29 | Glycogen storage in a zebrafish Pompe disease model is reduced by 3-BrPA treatment. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165662.   | 3.8  | 7         |
| 30 | Advantages and Challenges of Cardiovascular and Lymphatic Studies in Zebrafish Research. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 89.  | 3.7  | 5         |
| 31 | The Lysine Methylase SMYD3 Modulates Mesendodermal Commitment during Development. <i>Cells</i> , 2021, 10, 1233.  | 4.1  | 3         |