# Makoto Furutani-Seiki

List of Publications by Year
in descending order

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|---|---|---|---|
| 64<br>papers | 3,134<br>citations | 201674<br>27<br>h-index | 161849<br>54<br>g-index |
| 66<br>all docs | 66<br>docs citations | 66<br>times ranked | 3977<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | YAP is essential for tissue tension to ensure vertebrate 3D body shape. Nature, 2015, 521, 217-221. | 27.8 | 237 |
| 2 | The<i>hotei</i>mutation of medaka in the anti-MÃ¼llerian hormone receptor causes the dysregulation of germ cell and sexual development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9691-9696. | 7.1 | 234 |
| 3 | Medaka and zebrafish, an evolutionary twin study. Mechanisms of Development, 2004, 121, 629-637. | 1.7 | 202 |
| 4 | YAP and TAZ Regulate Skin Wound Healing. Journal of Investigative Dermatology, 2014, 134, 518-525. | 0.7 | 188 |
| 5 | IntegrinÎ±5-Dependent Fibronectin Accumulation for Maintenance of Somite Boundaries in Zebrafish Embryos. Developmental Cell, 2005, 8, 587-598. | 7.0 | 165 |
| 6 | Mutations affecting pigmentation and shape of the adult zebrafish. Development Genes and Evolution, 1996, 206, 260-276. | 0.9 | 164 |
| 7 | Comparative genomic and expression analysis of group B1soxgenes in zebrafish indicates their diversification during vertebrate evolution. Developmental Dynamics, 2006, 235, 811-825. | 1.8 | 152 |
| 8 | Tbx24, encoding a T-box protein, is mutated in the zebrafish somite-segmentation mutant fused somites. Nature Genetics, 2002, 31, 195-199. | 21.4 | 147 |
| 9 | Generation of medaka gene knockout models by target-selected mutagenesis. Genome Biology, 2006, 7, R116. | 9.6 | 137 |
| 10 | Proliferation of germ cells during gonadal sex differentiation in medaka: Insights from germ cell-depleted mutant zenzai. Developmental Biology, 2007, 310, 280-290. | 2.0 | 132 |
| 11 | A systematic genome-wide screen for mutations affecting organogenesis in Medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 647-658. | 1.7 | 126 |
| 12 | Zebrafish Dkk1, induced by the pre-MBT Wnt signaling, is secreted from the prechordal plate and patterns the anterior neural plate. Mechanisms of Development, 2000, 98, 3-17. | 1.7 | 111 |
| 13 | The Tomita collection of medaka pigmentation mutants as a resource for understanding neural crest cell development. Mechanisms of Development, 2004, 121, 841-859. | 1.7 | 77 |
| 14 | A Novel Acetylation Cycle of Transcription Co-activator Yes-associated Protein That Is Downstream of Hippo Pathway Is Triggered in Response to SN2 Alkylating Agents. Journal of Biological Chemistry, 2012, 287, 22089-22098. | 3.4 | 71 |
| 15 | Structural Features and Ligand Binding Properties of Tandem WW Domains from YAP and TAZ, Nuclear Effectors of the Hippo Pathway. Biochemistry, 2011, 50, 3300-3309. | 2.5 | 68 |
| 16 | Medaka as a model for human nonalcoholic steatohepatitis. DMM Disease Models and Mechanisms, 2010, 3, 431-440. | 2.4 | 59 |
| 17 | Insufficiency of BUBR1, a mitotic spindle checkpoint regulator, causes impaired ciliogenesis in vertebrates. Human Molecular Genetics, 2011, 20, 2058-2070. | 2.9 | 52 |
| 18 | Zebrafish maternal-effect mutations causing cytokinesis defect without affecting mitosis or equatorial vasa deposition. Mechanisms of Development, 2004, 121, 79-89. | 1.7 | 47 |

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|---|---|---|---|
| 19 | The Hippo Pathway Controls a Switch between Retinal Progenitor Cell Proliferation and Photoreceptor Cell Differentiation in Zebrafish. PLoS ONE, 2014, 9, e97365. | 2.5 | 43 |
| 20 | Noninvasive Intravital Imaging of Thymocyte Dynamics in Medaka. Journal of Immunology, 2007, 179, 1605-1615. | 0.8 | 41 |
| 21 | Distinct contributions of CXCR4b and CXCR7/RDC1 receptor systems in regulation of PGC migration revealed by medaka mutants kazura and yanagi. Developmental Biology, 2008, 320, 328-339. | 2.0 | 40 |
| 22 | Single cell lineage and regionalization of cell populations during Medaka neurulation. Development (Cambridge), 2004, 131, 2553-2563. | 2.5 | 36 |
| 23 | Mutations affecting liver development and function in Medaka, Oryzias latipes, screened by multiple criteria. Mechanisms of Development, 2004, 121, 791-802. | 1.7 | 35 |
| 24 | Analysis of Wnt8 for neural posteriorizing factor by identifying Frizzled 8c and Frizzled 9 as functional receptors for Wnt8. Mechanisms of Development, 2003, 120, 477-489. | 1.7 | 32 |
| 25 | Gravity sensing in plant and animal cells. Npj Microgravity, 2021, 7, 2. | 3.7 | 32 |
| 26 | Mutations affecting the formation of posterior lateral line system in Medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 729-738. | 1.7 | 31 |
| 27 | Mutations affecting gonadal development in Medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 829-839. | 1.7 | 29 |
| 28 | Retinoic acid signaling positively regulates liver specification by inducing<i>wnt2bb</i>gene expression in medaka. Hepatology, 2010, 51, 1037-1045. | 7.3 | 28 |
| 29 | Mutations affecting thymus organogenesis in Medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 779-789. | 1.7 | 27 |
| 30 | Negative regulation of <i>wnt11</i> expression by Jnk signaling during zebrafish gastrulation. Journal of Cellular Biochemistry, 2010, 110, 1022-1037. | 2.6 | 27 |
| 31 | MEPD: a Medaka gene expression pattern database. Nucleic Acids Research, 2003, 31, 72-74. | 14.5 | 23 |
| 32 | WDR55 Is a Nucleolar Modulator of Ribosomal RNA Synthesis, Cell Cycle Progression, and Teleost Organ Development. PLoS Genetics, 2008, 4, e1000171. | 3.5 | 23 |
| 33 | Mutations affecting early distribution of primordial germ cells in Medaka (Oryzias latipes) embryo. Mechanisms of Development, 2004, 121, 817-828. | 1.7 | 22 |
| 34 | Identification of radiation-sensitive mutants in the Medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 895-902. | 1.7 | 21 |
| 35 | Mutations affecting retina development in Medaka. Mechanisms of Development, 2004, 121, 703-714. | 1.7 | 20 |
| 36 | Mutations affecting somite formation in the Medaka (Oryzias latipes). Mechanisms of Development, 2004, 121, 659-671. | 1.7 | 18 |

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|---|---|---|---|
| 37 | Genetic dissection of the formation of the forebrain in Medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 673-685. | 1.7 | 17 |
| 38 | Mutations affecting retinotectal axonal pathfinding in Medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 715-728. | 1.7 | 17 |
| 39 | The DNA sequence of medaka chromosome LG22. Genomics, 2007, 89, 124-133. | 2.9 | 14 |
| 40 | Microinjection of Medaka Embryos for use as a Model Genetic Organism. Journal of Visualized Experiments, 2010, , . | 0.3 | 13 |
| 41 | Essential Techniques for Introducing Medaka to a Zebrafish Laboratoryâ€"Towards the Combined Use of Medaka and Zebrafish for Further Genetic Dissection of the Function of the Vertebrate Genome. Methods in Molecular Biology, 2011, 770, 211-241. | 0.9 | 13 |
| 42 | The LIM protein Ajuba is required for ciliogenesis and leftâ€"right axis determination in medaka. Biochemical and Biophysical Research Communications, 2010, 396, 887-893. | 2.1 | 12 |
| 43 | Xmrkâ€induced melanoma progression is affected by Sdf1 signals through Cxcr7. Pigment Cell and Melanoma Research, 2014, 27, 221-233. | 3.3 | 12 |
| 44 | Ethylnitrosoureaâ€induced thymusâ€defective mutants identify roles of<i>KIAA1440, TRRAP</i>, and<i>SKIV2L2</i>in teleost organ development. European Journal of Immunology, 2009, 39, 2606-2616. | 2.9 | 10 |
| 45 | Hippo pathway elements Co-localize with Occludin: A possible sensor system in pancreatic epithelial cells. Tissue Barriers, 2015, 3, e1037948. | 3.2 | 9 |
| 46 | Current Status of Medaka Genetics and Genomics. Methods in Cell Biology, 2004, 77, 173-199. | 1.1 | 8 |
| 47 | Dechorionation of Medaka Embryos and Cell Transplantation for the Generation of Chimeras. Journal of Visualized Experiments, 2010, , . | 0.3 | 8 |
| 48 | Mosaic analysis with oep mutant reveals a repressive interaction between floor-plate and non-floor-plate mutant cells in the zebrafish neural tube. Development Growth and Differentiation, 1999, 41, 135-142. | 1.5 | 7 |
| 49 | SLC7 family transporters control the establishment of left-right asymmetry during organogenesis in medaka by activating mTOR signaling. Biochemical and Biophysical Research Communications, 2016, 474, 146-153. | 2.1 | 7 |
| 50 | Epigenetic Protection of Vertebrate Lymphoid Progenitor Cells by Dnmt1. IScience, 2020, 23, 101260. | 4.1 | 7 |
| 51 | The Hippo pathway: key interaction and catalytic domains in organ growth control, stem cell self-renewal and tissue regeneration. Essays in Biochemistry, 2012, 53, 111-127. | 4.7 | 7 |
| 52 | ARHGAP29 expression may be a novel prognostic factor of cell proliferation and invasion in prostate cancer. Oncology Reports, 2020, 44, 2735-2745. | 2.6 | 7 |
| 53 | GSD: a genetic screen database. Mechanisms of Development, 2004, 121, 959-963. | 1.7 | 6 |
| 54 | Generation of transgenic medaka expressing claudin7-EGFP for imaging of tight junctions in living medaka embryos. Cell and Tissue Research, 2009, 335, 465-471. | 2.9 | 6 |

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|---|---|---|---|
| 55 | <scp>YAP</scp> is essential for 3D organogenesis withstanding gravity. Development Growth and Differentiation, 2017, 59, 52-58. | 1.5 | 6 |
| 56 | Mutation in cpsf6/CFIm68 (Cleavage and Polyadenylation Specificity Factor Subunit 6) causes short 3'UTRs and disturbs gene expression in developing embryos, as revealed by an analysis of primordial germ cell migration using the medaka mutant naruto. PLoS ONE, 2017, 12, e0172467. | 2.5 | 6 |
| 57 | The intracellular pathogen <i>Francisella tularensis</i> escapes from adaptive immunity by metabolic adaptation. Life Science Alliance, 2022, 5, e202201441. | 2.8 | 6 |
| 58 | Radiation Hybrid Maps of Medaka Chromosomes LG 12, 17, and 22. DNA Research, 2007, 14, 135-140. | 3.4 | 5 |
| 59 | Evidence for a Role of the Transcriptional Regulator Maid in Tumorigenesis and Aging. PLoS ONE, 2015, 10, e0129950. | 2.5 | 5 |
| 60 | Assessment of high fat diet-induced fatty liver in medaka. Biology Open, 2018, 7, . | 1.2 | 5 |
| 61 | YAP mediated mechano-homeostasis â€" conditioning 3D animal body shape. Current Opinion in Cell Biology, 2017, 49, 64-70. | 5.4 | 4 |
| 62 | In Vivo Imaging of Tight Junctions Using Claudinâ€"EGFP Transgenic Medaka. Methods in Molecular Biology, 2011, 762, 171-178. | 0.9 | 2 |
| 63 | Studying YAP-Mediated 3D Morphogenesis Using Fish Embryos and Human Spheroids. Methods in Molecular Biology, 2019, 1893, 167-181. | 0.9 | 1 |
| 64 | A Systematic Screen for Mutations Affecting Organogenesis in Medaka. , 2011, , 59-77. | | 0 |