# Goro Yoshizaki

List of Publications by Year
in descending order



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|---|---|---|---|
| 82 papers | 3,800 citations | 109321 35 h-index | 133252 59 g-index |
| 83 all docs | 83 docs citations | 83 times ranked | 1407 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Testicular germ cells can colonize sexually undifferentiated embryonic gonad and produce functional eggs in fish. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2725-2729. | 7.1 | 233 |
| 2 | Production of Trout Offspring from Triploid Salmon Parents. Science, 2007, 317, 1517-1517. | 12.6 | 225 |
| 3 | A novel transforming growth factor-Î²Âsuperfamily member expressed in gonadal somatic cells enhances primordial germ cell and spermatogonial proliferation in rainbow trout (Oncorhynchus mykiss). Developmental Biology, 2007, 301, 266-275. | 2.0 | 198 |
| 4 | Surrogate broodstock produces salmonids. Nature, 2004, 430, 629-630. | 27.8 | 176 |
| 5 | Generation of Live Fry from Intraperitoneally Transplanted Primordial Germ Cells in Rainbow Trout. Biology of Reproduction, 2003, 69, 1142-1149. | 2.7 | 144 |
| 6 | Sexual plasticity of ovarian germ cells in rainbow trout. Development (Cambridge), 2010, 137, 1227-1230. | 2.5 | 130 |
| 7 | Generation of functional eggs and sperm from cryopreserved whole testes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1640-1645. | 7.1 | 125 |
| 8 | A key metabolic gene for recurrent freshwater colonization and radiation in fishes. Science, 2019, 364, 886-889. | 12.6 | 109 |
| 9 | Mass Isolation of Primordial Germ Cells from Transgenic Rainbow Trout Carrying the Green Fluorescent Protein Gene Driven by the vasa Gene Promoter. Biology of Reproduction, 2002, 67, 1087-1092. | 2.7 | 94 |
| 10 | Development of Spermatogonial Cell Transplantation in Nibe Croaker, Nibea mitsukurii (Perciformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 2.7 | 85 |
| 11 | Production of Donor-Derived Offspring by Allogeneic Transplantation of Spermatogonia in the Yellowtail (Seriola quinqueradiata)1. Biology of Reproduction, 2012, 86, 176. | 2.7 | 85 |
| 12 | Flow-Cytometric Isolation of Testicular Germ Cells from Rainbow Trout (Oncorhynchus mykiss) Carrying the Green Fluorescent Protein Gene Driven by Trout vasa Regulatory Regions. Biology of Reproduction, 2008, 78, 151-158. | 2.7 | 83 |
| 13 | Chub Mackerel Gonads Support Colonization, Survival, and Proliferation of Intraperitoneally Transplanted Xenogenic Germ Cells1. Biology of Reproduction, 2010, 82, 896-904. | 2.7 | 81 |
| 14 | Polyunsaturated fatty acid metabolism in a marine teleost, Nibe croaker Nibea mitsukurii: Functional characterization of Fads2 desaturase and Elovl5 and Elovl4 elongases. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2015, 188, 37-45. | 1.6 | 81 |
| 15 | Generation of viable fish from cryopreserved primordial germ cells. Molecular Reproduction and Development, 2007, 74, 207-213. | 2.0 | 76 |
| 16 | Production of germ cellâ€deficient salmonids by dead end gene knockdown, and their use as recipients for germ cell transplantation. Molecular Reproduction and Development, 2016, 83, 298-311. | 2.0 | 75 |
| 17 | Production of live fish derived from frozen germ cells via germ cell transplantation. Stem Cell Research, 2018, 29, 103-110. | 0.7 | 74 |
| 18 | Production of Tiger Puffer Takifugu rubripes Offspring from Triploid Grass Puffer Takifugu niphobles Parents. Marine Biotechnology, 2017, 19, 579-591. | 2.4 | 70 |

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|---|---|---|---|
| 19 | Application of surrogate broodstock technology in aquaculture. Fisheries Science, 2019, 85, 429-437. | 1.6 | 70 |
| 20 | Spermatogonial transplantation in fish: A novel method for the preservation of genetic resources. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2011, 6, 55-61. | 1.0 | 67 |
| 21 | Enhancement of EPA and DHA biosynthesis by over-expression of masu salmon Î”6-desaturase-like gene in zebrafish. Transgenic Research, 2005, 14, 159-165. | 2.4 | 58 |
| 22 | Colonization, proliferation, and survival of intraperitoneally transplanted yellowtail Seriola quinqueradiata spermatogonia in nibe croaker Nibea mitsukurii recipient. Fisheries Science, 2011, 77, 69-77. | 1.6 | 57 |
| 23 | Generation of juvenile rainbow trout derived from cryopreserved whole ovaries by intraperitoneal transplantation of ovarian germ cells. Biochemical and Biophysical Research Communications, 2016, 478, 1478-1483. | 2.1 | 55 |
| 24 | Application of dead endâ€knockout zebrafish as recipients of germ cell transplantation. Molecular Reproduction and Development, 2017, 84, 1100-1111. | 2.0 | 55 |
| 25 | cDNA cloning and expression analysis of a vasa-like gene in Pacific bluefin tuna Thunnus orientalis. Fisheries Science, 2009, 75, 71-79. | 1.6 | 54 |
| 26 | Culture conditions for maintaining the survival and mitotic activity of rainbow trout transplantable type A spermatogonia. Molecular Reproduction and Development, 2008, 75, 529-537. | 2.0 | 53 |
| 27 | Improved In Vitro Culture Conditions to Enhance the Survival, Mitotic Activity, and Transplantability of Rainbow Trout Type A Spermatogonia1. Biology of Reproduction, 2010, 83, 268-276. | 2.7 | 53 |
| 28 | Flow-Cytometric Isolation and Enrichment of Teleost Type A Spermatogonia Based on Light-Scattering Properties1. Biology of Reproduction, 2012, 86, 107. | 2.7 | 53 |
| 29 | Production of the medaka derived from vitrified whole testes by germ cell transplantation. Scientific Reports, 2017, 7, 43185. | 3.3 | 53 |
| 30 | Gonadal Development and Fertility of Triploid Grass Puffer Takifugu niphobles Induced by Cold Shock Treatment. Marine Biotechnology, 2013, 15, 133-144. | 2.4 | 49 |
| 31 | Functional Sperm of the Yellowtail (Seriola quinqueradiata) Were Produced in the Small-Bodied Surrogate, Jack Mackerel (Trachurus japonicus). Marine Biotechnology, 2015, 17, 644-654. | 2.4 | 49 |
| 32 | Efficient production of donor-derived gametes from triploid recipients following intra-peritoneal germ cell transplantation into a marine teleost, Nibe croaker (Nibea mitsukurii). Aquaculture, 2017, 478, 35-47. | 3.5 | 48 |
| 33 | Hybrid Sterility in Fish Caused by Mitotic Arrest of Primordial Germ Cells. Genetics, 2018, 209, 507-521. | 2.9 | 47 |
| 34 | Lymphocyte Antigen 75 (Ly75/CD205) Is a Surface Marker on Mitotic Germ Cells in Rainbow Trout1. Biology of Reproduction, 2010, 83, 597-606. | 2.7 | 42 |
| 35 | The Pacific bluefin tuna (Thunnus orientalis) dead end gene is suitable as a specific molecular marker of type A spermatogonia. Molecular Reproduction and Development, 2013, 80, 871-880. | 2.0 | 42 |
| 36 | Long-term (5 years) cryopreserved spermatogonia have high capacity to generate functional gametes via interspecies transplantation in salmonids. Cryobiology, 2016, 73, 286-290. | 0.7 | 37 |

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|---|---|---|---|
| 37 | Intraperitoneal Germ Cell Transplantation in the Nile Tilapia Oreochromis niloticus. Marine Biotechnology, 2014, 16, 309-320. | 2.4 | 35 |
| 38 | Expression patterns of gdnf and gfrÎ±1 in rainbow trout testis. Gene Expression Patterns, 2014, 14, 111-120. | 0.8 | 35 |
| 39 | Preservation of zebrafish genetic resources through testis cryopreservation and spermatogonia transplantation. Scientific Reports, 2019, 9, 13861. | 3.3 | 32 |
| 40 | Production of donor-derived offspring by allogeneic transplantation of spermatogonia in Chinese rosy bitterlingâ€. Biology of Reproduction, 2019, 100, 1108-1117. | 2.7 | 31 |
| 41 | Novel method for mass producing genetically sterile fish from surrogate broodstock via spermatogonial transplantationâ€. Biology of Reproduction, 2019, 100, 535-546. | 2.7 | 31 |
| 42 | Shortâ€term in vitro culturing improves transplantability of type A spermatogonia in rainbow trout (Oncorhynchus mykiss). Molecular Reproduction and Development, 2013, 80, 763-773. | 2.0 | 28 |
| 43 | Production of viable trout offspring derived from frozen whole fish. Scientific Reports, 2015, 5, 16045. | 3.3 | 28 |
| 44 | Assessment of yellowtail kingfish (Seriola lalandi) as a surrogate host for the production of southern bluefin tuna (Thunnus maccoyii) seed via spermatogonial germ cell transplantation. Reproduction, Fertility and Development, 2016, 28, 2051. | 0.4 | 26 |
| 45 | Cloning and functional characterization of fads2 desaturase and elovl5 elongase from Japanese flounder Paralichthys olivaceus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 214, 36-46. | 1.6 | 26 |
| 46 | Production of functional eggs and sperm from in vitro-expanded type A spermatogonia in rainbow trout. Communications Biology, 2020, 3, 308. | 4.4 | 25 |
| 47 | Green Fluorescent Protein As a Cell-Labeling Tool and a Reporter of Gene Expression in Transgenic Rainbow Trout. Marine Biotechnology, 1999, 1, 448-457. | 2.4 | 24 |
| 48 | Characterization of lymphocyte antigen 75 (Ly75/CD205) as a potential cell-surface marker on spermatogonia in Pacific bluefin tuna Thunnus orientalis. Fisheries Science, 2012, 78, 791-800. | 1.6 | 23 |
| 49 | Enrichment of Spermatogonial Stem Cells using Side Population in Teleost1. Biology of Reproduction, 2014, 91, 23. | 2.7 | 23 |
| 50 | Production of Chinese rosy bitterling offspring derived from frozen and vitrified whole testis by spermatogonial transplantation. Fish Physiology and Biochemistry, 2020, 46, 1431-1442. | 2.3 | 23 |
| 51 | Allelic diversification after transposable element exaptation promotedgsdfas the master sex determining gene of sablefish. Genome Research, 2021, 31, 1366-1380. | 5.5 | 23 |
| 52 | Flow-cytometric enrichment of Pacific bluefin tuna type A spermatogonia based on light-scattering properties. Theriogenology, 2017, 101, 91-98. | 2.1 | 22 |
| 53 | Production of functionally sterile triploid Nibe croaker Nibea mitsukurii induced by cold-shock treatment with special emphasis on triploid aptitude as surrogate broodstock. Aquaculture, 2018, 494, 45-56. | 3.5 | 22 |
| 54 | Production of Germ Cell-Less Rainbow Trout by dead end Gene Knockout and their Use as Recipients for Germ Cell Transplantation. Marine Biotechnology, 2022, 24, 417-429. | 2.4 | 19 |

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|---|---|---|---|
| 55 | Flatfishes colonised freshwater environments by acquisition of various DHA biosynthetic pathways. Communications Biology, 2020, 3, 516. | 4.4 | 18 |
| 56 | GnRHa-induced spawning of the Eastern little tuna (Euthynnus affinis) in a 70-m3 land-based tank. Aquaculture, 2015, 442, 58-68. | 3.5 | 17 |
| 57 | Combining nextâ€generation sequencing with microarray for transcriptome analysis in rainbow trout gonads. Molecular Reproduction and Development, 2012, 79, 870-878. | 2.0 | 15 |
| 58 | Stem cell activity of type A spermatogonia is seasonally regulated in rainbow troutâ€. Biology of Reproduction, 2017, 96, 1303-1316. | 2.7 | 15 |
| 59 | Establishment of novel monoclonal antibodies for identification of type A spermatogonia in teleostsâ€. Biology of Reproduction, 2019, 101, 478-491. | 2.7 | 15 |
| 60 | Suitability of hybrid mackerel (Scomber australasicusÂÃ—ÂS. japonicus) with germ cell-less sterile gonads as a recipient for transplantation of bluefin tuna germ cells. General and Comparative Endocrinology, 2020, 295, 113525. | 1.8 | 15 |
| 61 | Spawning induction of blue mackerel Scomber australasicus and eastern little tuna Euthynnus affinis by oral administration of a crude gonadotropin-releasing hormone analogue. Fisheries Science, 2018, 84, 495-504. | 1.6 | 14 |
| 62 | Specific visualization of live type A spermatogonia of Pacific bluefin tuna using fluorescent dye-conjugated antibodiesâ€. Biology of Reproduction, 2019, 100, 1637-1647. | 2.7 | 14 |
| 63 | Characterization of a vasa homolog in the brown-marbled grouper (Epinephelus fuscoguttatus) and its expression in gonad and germ cells during larval development. Fish Physiology and Biochemistry, 2016, 42, 1621-1636. | 2.3 | 13 |
| 64 | Enrichment of transplantable germ cells in salmonids using a novel monoclonal antibody by magneticâ€activated cell sorting. Molecular Reproduction and Development, 2019, 86, 1810-1821. | 2.0 | 12 |
| 65 | Production of triploid eastern little tuna,Euthynnus affinis(Cantor, 1849). Aquaculture Research, 2019, 50, 1422-1430. | 1.8 | 12 |
| 66 | Eastern little tuna,Euthynnus affinis(Cantor, 1849) mature and reproduce within 1Âyear of rearing in land-based tanks. Aquaculture Research, 2016, 47, 3800-3810. | 1.8 | 11 |
| 67 | Isolation and characterization of a germ cell marker in teleost fish Colossoma macropomum. Gene, 2019, 683, 54-60. | 2.2 | 9 |
| 68 | Aging- and temperature-related activity of spermatogonial stem cells for germ cell transplantation in medaka. Theriogenology, 2020, 155, 213-221. | 2.1 | 8 |
| 69 | Spawning induction and seed production of Eastern little tuna, Euthynnus affinis (Cantor, 1849), in the post- and pre-spawning seasons by hormonal treatment in a semi-closed recirculation system with elevated temperature. Aquaculture Research, 2017, 48, 3472-3481. | 1.8 | 7 |
| 70 | Production of functional sperm by subcutaneous autoâ€grafting of immature testes in rainbow trout. Molecular Reproduction and Development, 2018, 85, 155-162. | 2.0 | 6 |
| 71 | Production of functional sperm from cryopreserved testicular germ cells following intraperitoneal transplantation into allogeneic surrogate in yellowtail (Seriola quinqueradiata). Cryobiology, 2021, 100, 32-39. | 0.7 | 6 |
| 72 | Establishment of a tracing technique for transplanted bluefin tuna germ cells in recipientâ€™s gonads using monoclonal antibodies specifically recognizing bluefin tuna spermatogenic cells. Fisheries Science, 2021, 87, 105-112. | 1.6 | 5 |

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|---|---|---|---|
| 73 | Visualization of Primordial Germ Cells in Transgenic Rainbow Trout Carrying Green Fluorescent Protein Gene Driven by vasa Promoter. Fisheries Science, 2002, 68, 1067-1070. | 1.6 | 4 |
| 74 | Germ Cell-Specific Excision of loxP-Flanked Transgenes in Rainbow Trout Oncorhynchus mykiss1. Biology of Reproduction, 2016, 94, 79. | 2.7 | 3 |
| 75 | Chapter 17 Intraperitoneal Germ Cell Transplantation Technique in Marine Teleosts. , 2020, , 357-379. | | 3 |
| 76 | Visualization and tracking of live type a spermatogonia using a fluorescence-conjugated antibody in Salmo species. Aquaculture, 2021, 533, 736096. | 3.5 | 3 |
| 77 | Characterization of a vasa homolog in Mekong giant catfish (Pangasianodon gigas): Potential use as a germ cell marker. Animal Reproduction Science, 2021, 234, 106869. | 1.5 | 3 |
| 78 | Gametogenesis commencement in recipient gonads using germ cells retrieved from dead fish. Aquaculture, 2022, 552, 737952. | 3.5 | 3 |
| 79 | Cryopreservation and Transplantation of Spermatogonial Stem Cells. Methods in Molecular Biology, 2021, 2218, 37-47. | 0.9 | 2 |
| 80 | Development of a polymerase chain reaction (PCR)-based genetic sex identification method in the chub mackerel Scomber japonicus and blue mackerel S. australasicus. Fisheries Science, 0, , 1. | 1.6 | 2 |
| 81 | Establishment of surrogate broodstock technology in Scombridae species by germ cell transplantation. Aquaculture Research, 2022, 53, 2760-2771. | 1.8 | 2 |
| 82 | Production of albino chub mackerel (Scomber japonicus) by slc45a2 knockout and the use of a positive phototaxis-based larviculture technique to overcome the lethal albino phenotype. Aquaculture, 2022, 560, 738490. | 3.5 | 1 |