

# Yoichi Furukawa

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74  
papers

3,753  
citations

26  
h-index

61  
g-index

79  
ext. papers

4,433  
ext. citations

7.7  
avg, IF

4.45  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 74 | AXIN1 mutations in hepatocellular carcinomas, and growth suppression in cancer cells by virus-mediated transfer of AXIN1. <i>Nature Genetics</i> , <b>2000</b> , 24, 245-50   | 36.3 | 840       |
| 73 | SMYD3 encodes a histone methyltransferase involved in the proliferation of cancer cells. <i>Nature Cell Biology</i> , <b>2004</b> , 6, 731-40   | 23.4 | 584       |
| 72 | Overview of the BioBank Japan Project: Study design and profile. <i>Journal of Epidemiology</i> , <b>2017</b> , 27, S2-S84  | 3.4  | 239       |
| 71 | Enhanced SMYD3 expression is essential for the growth of breast cancer cells. <i>Cancer Science</i> , <b>2006</b> , 97, 113-8   | 6.9  | 217       |
| 70 | Genome-wide cDNA microarray analysis of gene expression profiles in pancreatic cancers using populations of tumor cells and normal ductal epithelial cells selected for purity by laser microdissection. <i>Oncogene</i> , <b>2004</b> , 23, 2385-400 | 9.2  | 210       |
| 69 | Molecular diagnosis of colorectal tumors by expression profiles of 50 genes expressed differentially in adenomas and carcinomas. <i>Oncogene</i> , <b>2002</b> , 21, 4120-8   | 9.2  | 145       |
| 68 | The lysine 831 of vascular endothelial growth factor receptor 1 is a novel target of methylation by SMYD3. <i>Cancer Research</i> , <b>2007</b> , 67, 10759-65  | 10.1 | 125       |
| 67 | Genome-wide analysis of gene expression in intestinal-type gastric cancers using a complementary DNA microarray representing 23,040 genes. <i>Cancer Research</i> , <b>2002</b> , 62, 7012-7  | 10.1 | 116       |
| 66 | Genome-wide analysis of gene expression in human intrahepatic cholangiocarcinoma. <i>Hepatology</i> , <b>2005</b> , 41, 1339-48   | 11.2 | 113       |
| 65 | Comparison of gene expression profiles between <i>Opisthorchis viverrini</i> and non- <i>Opisthorchis viverrini</i> associated human intrahepatic cholangiocarcinoma. <i>Hepatology</i> , <b>2006</b> , 44, 1025-38                                   | 11.2 | 101       |
| 64 | Cross-sectional analysis of BioBank Japan clinical data: A large cohort of 200,000 patients with 47 common diseases. <i>Journal of Epidemiology</i> , <b>2017</b> , 27, S9-S21  | 3.4  | 85        |
| 63 | Senolysis by glutaminolysis inhibition ameliorates various age-associated disorders. <i>Science</i> , <b>2021</b> , 371, 265-270  | 33.3 | 58        |
| 62 | Isolation of a novel human gene, APCDD1, as a direct target of the beta-Catenin/T-cell factor 4 complex with probable involvement in colorectal carcinogenesis. <i>Cancer Research</i> , <b>2002</b> , 62, 5651-6                                     | 10.1 | 58        |
| 61 | Identification of AXUD1, a novel human gene induced by AXIN1 and its reduced expression in human carcinomas of the lung, liver, colon and kidney. <i>Oncogene</i> , <b>2001</b> , 20, 5062-6  | 9.2  | 52        |
| 60 | Molecular profiles of high-grade and low-grade pseudomyxoma peritonei. <i>Cancer Medicine</i> , <b>2015</b> , 4, 1809-16  | 4.6  | 47        |
| 59 | Smyd3 is required for the development of cardiac and skeletal muscle in zebrafish. <i>PLoS ONE</i> , <b>2011</b> , 6, e23491  | 3.7  | 46        |
| 58 | A novel mouse model of intrahepatic cholangiocarcinoma induced by liver-specific <i>Kras</i> activation and <i>Pten</i> deletion. <i>Scientific Reports</i> , <b>2016</b> , 6, 23899  | 4.9  | 43        |

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| 57 | Overview of BioBank Japan follow-up data in 32 diseases. <i>Journal of Epidemiology</i> , <b>2017</b> , 27, S22-S28  | 3.4  | 41 |
| 56 | Pharmacogenetic Discovery in CALGB (Alliance) 90401 and Mechanistic Validation of a VAC14 Polymorphism that Increases Risk of Docetaxel-Induced Neuropathy. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 4890-4900  | 12.9 | 36 |
| 55 | Enhanced expression of RAD51 associating protein-1 is involved in the growth of intrahepatic cholangiocarcinoma cells. <i>Clinical Cancer Research</i> , <b>2008</b> , 14, 1333-9  | 12.9 | 35 |
| 54 | Mutations in zinc-binding domains of p53 as a prognostic marker of esophageal-cancer patients. <i>Japanese Journal of Cancer Research</i> , <b>2000</b> , 91, 190-8  |      | 33 |
| 53 | Generation of a p16 Reporter Mouse and Its Use to Characterize and Target p16 Cells In Vivo. <i>Cell Metabolism</i> , <b>2020</b> , 32, 814-828.e6   | 24.6 | 31 |
| 52 | Detection of APC mosaicism by next-generation sequencing in an FAP patient. <i>Journal of Human Genetics</i> , <b>2015</b> , 60, 227-31  | 4.3  | 28 |
| 51 | Isolation and characterization of human NBL4, a gene involved in the beta-catenin/tcf signaling pathway. <i>Japanese Journal of Cancer Research</i> , <b>2000</b> , 91, 597-603  |      | 27 |
| 50 | Fbxo22-mediated KDM4B degradation determines selective estrogen receptor modulator activity in breast cancer. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 5603-5619  | 15.9 | 26 |
| 49 | Isolation of LEM domain-containing 1, a novel testis-specific gene expressed in colorectal cancers. <i>Oncology Reports</i> , <b>2004</b> , 12, 275-80   | 3.5  | 26 |
| 48 | Comparison of clinical features between suspected familial colorectal cancer type X and Lynch syndrome in Japanese patients with colorectal cancer: a cross-sectional study conducted by the Japanese Society for Cancer of the Colon and Rectum. <i>Japanese Journal of Clinical Oncology</i> , <b>2015</b> , 45, 153-9 | 2.8  | 23 |
| 47 | Overexpression of peptidyl-prolyl isomerase-like 1 is associated with the growth of colon cancer cells. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 70-6   | 12.9 | 23 |
| 46 | Metagenome Data on Intestinal Phage-Bacteria Associations Aids the Development of Phage Therapy against Pathobionts. <i>Cell Host and Microbe</i> , <b>2020</b> , 28, 380-389.e9   | 23.4 | 19 |
| 45 | SMYD3 interacts with HTLV-1 Tax and regulates subcellular localization of Tax. <i>Cancer Science</i> , <b>2011</b> , 102, 260-6  | 6.9  | 19 |
| 44 | Measles virus selectively blind to signaling lymphocyte activity molecule has oncolytic efficacy against nectin-4-expressing pancreatic cancer cells. <i>Cancer Science</i> , <b>2016</b> , 107, 1647-1652   | 6.9  | 19 |
| 43 | Identification of two Wnt-responsive elements in the intron of RING finger protein 43 (RNF43) gene. <i>PLoS ONE</i> , <b>2014</b> , 9, e86582  | 3.7  | 17 |
| 42 | Functional Restoration of Bacteriomes and Viromes by Fecal Microbiota Transplantation. <i>Gastroenterology</i> , <b>2021</b> , 160, 2089-2102.e12  | 13.3 | 17 |
| 41 | Oncolytic Activity of a Recombinant Measles Virus, Blind to Signaling Lymphocyte Activation Molecule, Against Colorectal Cancer Cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 24572  | 4.9  | 14 |
| 40 | Overexpression of cohesion establishment factor DSCC1 through E2F in colorectal cancer. <i>PLoS ONE</i> , <b>2014</b> , 9, e85750  | 3.7  | 14 |

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|----|--|------|----|
| 39 | Decreased expression of interferon-induced protein 2 (IFIT2) by Wnt/ $\beta$ -catenin signaling confers anti-apoptotic properties to colorectal cancer cells. <i>Oncotarget</i> , <b>2017</b> , 8, 100176-100186   | 3.3  | 14 |
| 38 | Genetic alterations in Japanese extrahepatic biliary tract cancer. <i>Oncology Letters</i> , <b>2017</b> , 14, 877-884   | 2.6  | 13 |
| 37 | Mutant ASXL1 induces age-related expansion of phenotypic hematopoietic stem cells through activation of Akt/mTOR pathway. <i>Nature Communications</i> , <b>2021</b> , 12, 1826  | 17.4 | 13 |
| 36 | Importance of gastric cancer for the diagnosis and surveillance of Japanese Lynch syndrome patients. <i>Journal of Human Genetics</i> , <b>2019</b> , 64, 1187-1194  | 4.3  | 12 |
| 35 | Late Cornified Envelope Group I, a novel target of p53, regulates PRMT5 activity. <i>Neoplasia</i> , <b>2014</b> , 16, 656-64  | 6.4  | 12 |
| 34 | Enhanced RASGEF1A expression is involved in the growth and migration of intrahepatic cholangiocarcinoma. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 6611-6  | 12.9 | 12 |
| 33 | Alcohol consumption and early-onset risk of colorectal cancer in Japanese patients with Lynch syndrome: a cross-sectional study conducted by the Japanese Society for Cancer of the Colon and Rectum. <i>Surgery Today</i> , <b>2018</b> , 48, 810-814                       | 3    | 11 |
| 32 | Anti-apoptotic effect by the suppression of IRF1 as a downstream of Wnt/ $\beta$ -catenin signaling in colorectal cancer cells. <i>Oncogene</i> , <b>2019</b> , 38, 6051-6064  | 9.2  | 11 |
| 31 | EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 9275  | 4.9  | 10 |
| 30 | Reduced expression of APC-1B but not APC-1A by the deletion of promoter 1B is responsible for familial adenomatous polyposis. <i>Scientific Reports</i> , <b>2016</b> , 6, 26011   | 4.9  | 10 |
| 29 | Determination of splice-site mutations in Lynch syndrome (hereditary non-polyposis colorectal cancer) patients using functional splicing assay. <i>Familial Cancer</i> , <b>2009</b> , 8, 509-17   | 3    | 9  |
| 28 | Discovery of chemical probes that suppress Wnt/ $\beta$ -catenin signaling through high-throughput screening. <i>Cancer Science</i> , <b>2020</b> , 111, 783-794   | 6.9  | 7  |
| 27 | MRG-binding protein contributes to colorectal cancer development. <i>Cancer Science</i> , <b>2011</b> , 102, 1486-92   | 6.9  | 7  |
| 26 | Enhancement of Migration and Invasion of Gastric Cancer Cells by IQGAP3. <i>Biomolecules</i> , <b>2020</b> , 10,   | 5.9  | 7  |
| 25 | Relationship between smoking and multiple colorectal cancers in patients with Japanese Lynch syndrome: a cross-sectional study conducted by the Japanese Society for Cancer of the Colon and Rectum. <i>Japanese Journal of Clinical Oncology</i> , <b>2015</b> , 45, 307-10 | 2.8  | 6  |
| 24 | Establishment and analysis of a novel mouse line carrying a conditional knockin allele of a cancer-specific FBXW7 mutation. <i>Scientific Reports</i> , <b>2018</b> , 8, 2021  | 4.9  | 6  |
| 23 | Isolation and characterization of a human cDNA homologous to the <i>Xenopus laevis</i> XCAP-C gene belonging to the structural maintenance of chromosomes (SMC) family. <i>Journal of Human Genetics</i> , <b>1999</b> , 44, 197-202   | 4.3  | 6  |
| 22 | Development of an MSI-positive colon tumor with aberrant DNA methylation in a PPAP patient. <i>Journal of Human Genetics</i> , <b>2019</b> , 64, 729-740   | 4.3  | 5  |

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|----|---|------|---|
| 21 | A novel APC mosaicism in a patient with familial adenomatous polyposis. <i>Human Genome Variation</i> , <b>2015</b> , 2, 15057  | 1.8  | 5 |
| 20 | Aberrant splicing caused by a MLH1 splice donor site mutation found in a young Japanese patient with Lynch syndrome. <i>Familial Cancer</i> , <b>2012</b> , 11, 559-64  | 3    | 5 |
| 19 | Efficacy of liquid-based genetic diagnosis of endometrial cancer. <i>Cancer Science</i> , <b>2018</b> , 109, 4025-4032  | 6.9  | 5 |
| 18 | Causes of Cancer Death Among First-Degree Relatives in Japanese Families with Lynch Syndrome. <i>Anticancer Research</i> , <b>2016</b> , 36, 1985-9   | 2.3  | 5 |
| 17 | Identification of FERM domain-containing protein 5 as a novel target of Eatenin/TCF7L2 complex. <i>Cancer Science</i> , <b>2017</b> , 108, 612-619  | 6.9  | 4 |
| 16 | Pseudomyxoma peritonei of a mature ovarian teratoma caused by mismatch repair deficiency in a patient with Lynch syndrome: a case report. <i>BMC Medical Genetics</i> , <b>2016</b> , 17, 94  | 2.1  | 4 |
| 15 | Bidirectional reporter assay using HAL promoter and TOPFLASH improves specificity in high-throughput screening of Wnt inhibitors. <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 2868-2882                                      | 4.9  | 3 |
| 14 | Attenuated familial adenomatous polyposis with desmoids caused by an APC mutation. <i>Human Genome Variation</i> , <b>2015</b> , 2, 15011   | 1.8  | 3 |
| 13 | Halcyon: an accurate basecaller exploiting an encoder-decoder model with monotonic attention. <i>Bioinformatics</i> , <b>2021</b> , 37, 1211-1217   | 7.2  | 3 |
| 12 | TP53/p53-FBXO22-TFEB controls basal autophagy to govern hormesis. <i>Autophagy</i> , <b>2021</b> , 17, 3776-3793  | 10.2 | 3 |
| 11 | Comprehensive molecular analysis of genomic profiles and PD-L1 expression in lung adenocarcinoma with a high-grade fetal adenocarcinoma component. <i>Translational Lung Cancer Research</i> , <b>2021</b> , 10, 1292-1304                    | 4.4  | 3 |
| 10 | Efficacy of the novel tubulin polymerization inhibitor PTC-028 for myelodysplastic syndrome. <i>Cancer Science</i> , <b>2020</b> , 111, 4336-4347   | 6.9  | 2 |
| 9  | Anti-TLR7 Antibody Protects Against Lupus Nephritis in NZBWF1 Mice by Targeting B Cells and Patrolling Monocytes. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 777197   | 8.4  | 2 |
| 8  | Genomic Analysis of Germline Variation Associated with Survival of Patients with Colorectal Cancer Treated with Chemotherapy Plus Biologics in CALGB/SWOG 80405 (Alliance). <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 267-275       | 12.9 | 2 |
| 7  | Robust parameter design of human induced pluripotent stem cell differentiation protocols defines lineage-specific induction of anterior-posterior gut tube endodermal cells. <i>Stem Cells</i> , <b>2021</b> , 39, 429-442                    | 5.8  | 2 |
| 6  | A genome-wide association study (GWAS) of overall survival (OS) in 609 metastatic colorectal cancer (mCRC) patients treated with chemotherapy and biologics in CALGB 80405. <i>Journal of Clinical Oncology</i> , <b>2015</b> , 33, 3599-3599 | 2.2  | 1 |
| 5  | Application of targeted nanopore sequencing for the screening and determination of structural variants in patients with Lynch syndrome. <i>Journal of Human Genetics</i> , <b>2021</b> , 66, 1053-1060  | 4.3  | 1 |
| 4  | Cancer-associated IDH mutations induce Glut1 expression and glucose metabolic disorders through a PI3K/Akt/mTORC1-Hif1 $\beta$ axis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257090   | 3.7  | 1 |

- 3 Response to the correspondence referring to our article "Development of an MSI-positive colon tumor with aberrant DNA methylation in a PPAP patient" by Pilar Mur, Claire Palles, Ian Tomlinson, Laura Valle. *Journal of Human Genetics*, **2020**, 65, 515-516 4.3 ○
- 2 Epigenetic traits inscribed in chromatin accessibility in aged hematopoietic stem cells.. *Nature Communications*, **2022**, 13, 2691 17.4 ○
- 1 Implementation of genomic medicine for gastrointestinal tumors. *Annals of Gastroenterological Surgery*, **2018**, 2, 246-252 4.3