# Vincent W Keng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8843438/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 50 papers | 2,254 citations | 218677 26 h-index | 223800 46 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 3061 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A conditional transposon-based insertional mutagenesis screen for genes associated with mouse hepatocellular carcinoma. Nature Biotechnology, 2009, 27, 264-274. | 17.5 | 194 |
| 2 | Homeobox Gene Hex Is Essential for Onset of Mouse Embryonic Liver Development and Differentiation of the Monocyte Lineage. Biochemical and Biophysical Research Communications, 2000, 276, 1155-1161. | 2.1 | 174 |
| 3 | Characterization of Sleeping Beauty Transposition and Its Application to Genetic Screening in Mice. Molecular and Cellular Biology, 2003, 23, 9189-9207. | 2.3 | 146 |
| 4 | Forward genetic screen for malignant peripheral nerve sheath tumor formation identifies new genes and pathways driving tumorigenesis. Nature Genetics, 2013, 45, 756-766. | 21.4 | 137 |
| 5 | Region-specific saturation germline mutagenesis in mice using the Sleeping Beauty transposon system. Nature Methods, 2005, 2, 763-769. | 19.0 | 112 |
| 6 | Transposon-tagged mutagenesis in the rat. Nature Methods, 2007, 4, 131-133. | 19.0 | 88 |
| 7 | Canonical Wnt/Î²-catenin Signaling Drives Human Schwann Cell Transformation, Progression, and Tumor Maintenance. Cancer Discovery, 2013, 3, 674-689. | 9.4 | 87 |
| 8 | Identification of Rtl1, a Retrotransposon-Derived Imprinted Gene, as a Novel Driver of Hepatocarcinogenesis. PLoS Genetics, 2013, 9, e1003441. | 3.5 | 76 |
| 9 | cDNA cloning and expression of rat homeobox gene, Hex, and functional characterization of the protein. Biochemical Journal, 1999, 339, 111-117. | 3.7 | 75 |
| 10 | PTEN and NF1 Inactivation in Schwann Cells Produces a Severe Phenotype in the Peripheral Nervous System That Promotes the Development and Malignant Progression of Peripheral Nerve Sheath Tumors. Cancer Research, 2012, 72, 3405-3413. | 0.9 | 72 |
| 11 | Co-targeting the MAPK and PI3K/AKT/mTOR pathways in two genetically engineered mouse models of schwann cell tumors reduces tumor grade and multiplicity. Oncotarget, 2014, 5, 1502-1514. | 1.8 | 68 |
| 12 | A Sleeping Beauty mutagenesis screen reveals a tumor suppressor role for Ncoa2/Src-2 in liver cancer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1377-86. | 7.1 | 67 |
| 13 | EPHB2 Activates Î²-Catenin to Enhance Cancer Stem Cell Properties and Drive Sorafenib Resistance in Hepatocellular Carcinoma. Cancer Research, 2021, 81, 3229-3240. | 0.9 | 59 |
| 14 | Modeling hepatitis B virus X-induced hepatocellular carcinoma in mice with the sleeping beauty transposon system. Hepatology, 2011, 53, 781-790. | 7.3 | 58 |
| 15 | Insertional Mutagenesis Identifies a STAT3/Arid1b/Î²-catenin Pathway Driving Neurofibroma Initiation. Cell Reports, 2016, 14, 1979-1990. | 6.4 | 55 |
| 16 | A facile method for somatic, lifelong manipulation of multiple genes in the mouse liver. Hepatology, 2008, 47, 1714-1724. | 7.3 | 53 |
| 17 | Sex bias occurrence of hepatocellular carcinoma in Poly7 molecular subclass is associated withEGFR. Hepatology, 2013, 57, 120-130. | 7.3 | 52 |
| 18 | Expression of Hex mRNA in early murine postimplantation embryo development. FEBS Letters, 1998, 426, 183-186. | 2.8 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sleeping Beauty Transposon-Based Phenotypic Analysis of Mice: Lack of Arpc3 Results in Defective Trophoblast Outgrowth. Molecular and Cellular Biology, 2006, 26, 6185-6196. | 2.3 | 49 |
| 20 | Sleeping Beauty Transposase Has an Affinity for Heterochromatin Conformation. Molecular and Cellular Biology, 2007, 27, 1665-1676. | 2.3 | 46 |
| 21 | Sleeping Beauty Insertional Mutagenesis in Mice Identifies Drivers of Steatosis-Associated Hepatic Tumors. Cancer Research, 2017, 77, 6576-6588. | 0.9 | 40 |
| 22 | Why men are at higher risk for hepatocellular carcinoma?. Journal of Hepatology, 2012, 57, 453-454. | 3.7 | 38 |
| 23 | Chronic liver injury alters driver mutation profiles in hepatocellular carcinoma in mice. Hepatology, 2018, 67, 924-939. | 7.3 | 36 |
| 24 | Efficient Transposition of Tol2 in the Mouse Germline. Genetics, 2009, 183, 1565-1573. | 2.9 | 34 |
| 25 | Conditional Inactivation ofPtenwithEGFROverexpression in Schwann Cells Models Sporadic MPNST. Sarcoma, 2012, 2012, 1-12. | 1.3 | 33 |
| 26 | The CCCTC-binding factor (CTCF)-forkhead box protein M1 axis regulates tumour growth and metastasis in hepatocellular carcinoma. Journal of Pathology, 2017, 243, 418-430. | 4.5 | 29 |
| 27 | HBx-K130M/V131I Promotes Liver Cancer in Transgenic Mice via AKT/FOXO1 Signaling Pathway and Arachidonic Acid Metabolism. Molecular Cancer Research, 2019, 17, 1582-1593. | 3.4 | 29 |
| 28 | Germline mutagenesis mediated by Sleeping Beauty transposon system in mice. Genome Biology, 2007, 8, S14. | 9.6 | 28 |
| 29 | Sodium tanshinone IIA sulfonate ameliorates hepatic steatosis by inhibiting lipogenesis and inflammation. Biomedicine and Pharmacotherapy, 2019, 111, 68-75. | 5.6 | 28 |
| 30 | cDNA cloning and expression of rat homeobox gene, Hex, and functional characterization of the protein. Biochemical Journal, 1999, 339, 111. | 3.7 | 27 |
| 31 | Retrotransposons Influence the Mouse Transcriptome: Implication for the Divergence of Genetic Traits. Genetics, 2007, 176, 815-827. | 2.9 | 26 |
| 32 | Mouse models of cancer: Sleeping Beauty transposons for insertional mutagenesis screens and reverse genetic studies. Seminars in Cell and Developmental Biology, 2014, 27, 86-95. | 5.0 | 22 |
| 33 | Insulin Stimulates Expression of the Pyruvate Kinase M Gene in 3T3-L1 Adipocytes. Bioscience, Biotechnology and Biochemistry, 2003, 67, 1272-1277. | 1.3 | 19 |
| 34 | Identification of the Transactivating Region of the Homeodomain Protein, Hex. Journal of Biochemistry, 2004, 135, 217-223. | 1.7 | 18 |
| 35 | Generating mutant rats using the Sleeping Beauty transposon system. Methods, 2009, 49, 236-242. | 3.8 | 17 |
| 36 | Râ€spondin 2 Drives Liver Tumor Development in a Yesâ€Associated Proteinâ€Dependent Manner. Hepatology Communications, 2019, 3, 1496-1509. | 4.3 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Modular assembly of transposon integratable multigene vectors using RecWay assembly. Nucleic Acids Research, 2013, 41, e92-e92. | 14.5 | 13 |
| 38 | Targeting of AKT / ERK / CTNNB 1 by DAW 22 as a potential therapeutic compound for malignant peripheral nerve sheath tumor. Cancer Medicine, 2018, 7, 4791-4800. | 2.8 | 13 |
| 39 | ZBTB20 regulates WNT/CTNNB1 signalling pathway by suppressing PPARG during hepatocellular carcinoma tumourigenesis. JHEP Reports, 2021, 3, 100223. | 4.9 | 13 |
| 40 | Sleeping Beauty insertional mutagenesis screen identifies the pro-metastatic roles of CNPY2 and ACTN2 in hepatocellular carcinoma tumor progression. Biochemical and Biophysical Research Communications, 2021, 541, 70-77. | 2.1 | 12 |
| 41 | Identification and Characterization of the Hematopoietic Cell-Specific Enhancer-Like Element of the Mouse Hex Gene. Journal of Biochemistry, 2004, 135, 259-268. | 1.7 | 10 |
| 42 | Translation from nonautonomous type IAP retrotransposon is a critical determinant of transposition activity: Implication for retrotransposon-mediated genome evolution. Genome Research, 2008, 18, 859-868. | 5.5 | 10 |
| 43 | Transposon mouse models to elucidate the genetic mechanisms of hepatitis B viral induced hepatocellular carcinoma. World Journal of Gastroenterology, 2015, 21, 12157. | 3.3 | 8 |
| 44 | Schwann cell-specific PTEN and EGFR dysfunctions affect neuromuscular junction development by impairing Agrin signaling and autophagy. Biochemical and Biophysical Research Communications, 2019, 515, 50-56. | 2.1 | 7 |
| 45 | Conditional Inactivation of Nf1 and Pten in Schwann Cells Results in Abnormal Neuromuscular Junction Maturation. G3: Genes, Genomes, Genetics, 2019, 9, 297-303. | 1.8 | 4 |
| 46 | Liver-Specific Delivery of Sleeping Beauty Transposon System by Hydrodynamic Injection for Cancer Gene Validation. Methods in Molecular Biology, 2019, 1907, 185-196. | 0.9 | 2 |
| 47 | Schwann cell-specific Pten inactivation reveals essential role of the sympathetic nervous system activity in adipose tissue development. Biochemical and Biophysical Research Communications, 2020, 531, 118-124. | 2.1 | 2 |
| 48 | Transgenic Mice. , 2019, , 1-8. | | 0 |
| 49 | Transgenic Mice. , 2021, , 5197-5204. | | 0 |
| 50 | Correction: Co-targeting the MAPK and PI3K/AKT/mTOR pathways in two genetically engineered mouse models of schwann cell tumors reduces tumor grade and multiplicity. Oncotarget, 2020, 11, 3618-3620. | 1.8 | 0 |