

# Yosuke Tanaka

## 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.

59  
papers

8,905  
citations

29  
h-index

61  
g-index

61  
ext. papers

10,080  
ext. citations

16.1  
avg, IF

5.8  
L-index

#	Paper	IF	Citations
59	Randomization of left-right asymmetry due to loss of nodal cilia generating leftward flow of extraembryonic fluid in mice lacking KIF3B motor protein. <i>Cell</i> , <b>1998</b> , 95, 829-37	56.2	1284
58	Kinesin superfamily motor proteins and intracellular transport. <i>Nature Reviews Molecular Cell Biology</i> , <b>2009</b> , 10, 682-96	48.7	1100
57	Molecular motors in neurons: transport mechanisms and roles in brain function, development, and disease. <i>Neuron</i> , <b>2010</b> , 68, 610-38	13.9	770
56	Charcot-Marie-Tooth disease type 2A caused by mutation in a microtubule motor KIF1Bbeta. <i>Cell</i> , <b>2001</b> , 105, 587-97	56.2	640
55	Targeted disruption of mouse conventional kinesin heavy chain, kif5B, results in abnormal perinuclear clustering of mitochondria. <i>Cell</i> , <b>1998</b> , 93, 1147-58	56.2	524
54	Nodal flow and the generation of left-right asymmetry. <i>Cell</i> , <b>2006</b> , 125, 33-45	56.2	433
53	FGF-induced vesicular release of Sonic hedgehog and retinoic acid in leftward nodal flow is critical for left-right determination. <i>Nature</i> , <b>2005</b> , 435, 172-7	50.4	422
52	Glutamate-receptor-interacting protein GRIP1 directly steers kinesin to dendrites. <i>Nature</i> , <b>2002</b> , 417, 83-7	50.4	414
51	Left-right asymmetry and kinesin superfamily protein KIF3A: new insights in determination of laterality and mesoderm induction by kif3A <sup>-/-</sup> mice analysis. <i>Journal of Cell Biology</i> , <b>1999</b> , 145, 825-36	7.3	388
50	Mechanism of nodal flow: a conserved symmetry breaking event in left-right axis determination. <i>Cell</i> , <b>2005</b> , 121, 633-644	56.2	374
49	Abnormal nodal flow precedes situs inversus in iv and inv mice. <i>Molecular Cell</i> , <b>1999</b> , 4, 459-68	17.6	369
48	Golgi vesiculation and lysosome dispersion in cells lacking cytoplasmic dynein. <i>Journal of Cell Biology</i> , <b>1998</b> , 141, 51-9	7.3	281
47	Kinesin superfamily protein 2A (KIF2A) functions in suppression of collateral branch extension. <i>Cell</i> , <b>2003</b> , 114, 229-39	56.2	233
46	KIF5C, a novel neuronal kinesin enriched in motor neurons. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 6374-84	6.6	222
45	Kinesin superfamily proteins (KIFs): Various functions and their relevance for important phenomena in life and diseases. <i>Experimental Cell Research</i> , <b>2015</b> , 334, 16-25	4.2	139
44	Identification and classification of 16 new kinesin superfamily (KIF) proteins in mouse genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 9654-9	11.5	138
43	The KIF3 motor transports N-cadherin and organizes the developing neuroepithelium. <i>Nature Cell Biology</i> , <b>2005</b> , 7, 474-82	23.4	138

42	KIF1Bbeta- and KIF1A-mediated axonal transport of presynaptic regulator Rab3 occurs in a GTP-dependent manner through DENN/MADD. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 1269-79	23.4	134
41	Mitochondrial Damage Causes Inflammation via cGAS-STING Signaling in Acute Kidney Injury. <i>Cell Reports</i> , <b>2019</b> , 29, 1261-1273.e6	10.6	106
40	KIF16B/Rab14 molecular motor complex is critical for early embryonic development by transporting FGF receptor. <i>Developmental Cell</i> , <b>2011</b> , 20, 60-71	10.2	81
39	Left-right determination: involvement of molecular motor KIF3, cilia, and nodal flow. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2009</b> , 1, a000802	10.2	77
38	Role of KIFC3 motor protein in Golgi positioning and integration. <i>Journal of Cell Biology</i> , <b>2002</b> , 158, 293-303	30.3	70
37	The primary structure of rat brain (cytoplasmic) dynein heavy chain, a cytoplasmic motor enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1993</b> , 90, 7928-32	11.5	56
36	Mutant ASXL1 cooperates with BAP1 to promote myeloid leukaemogenesis. <i>Nature Communications</i> , <b>2018</b> , 9, 2733	17.4	54
35	Chronological expression of microtubule-associated proteins (MAPs) in EC cell P19 after neuronal induction by retinoic acid. <i>Brain Research</i> , <b>1992</b> , 596, 269-78	3.7	51
34	The Molecular Motor KIF1A Transports the TrkA Neurotrophin Receptor and Is Essential for Sensory Neuron Survival and Function. <i>Neuron</i> , <b>2016</b> , 90, 1215-1229	13.9	50
33	Cilia, KIF3 molecular motor and nodal flow. <i>Current Opinion in Cell Biology</i> , <b>2012</b> , 24, 31-9	9	50
32	Fluid Dynamic Mechanism Responsible for Breaking the Left-Right Symmetry of the Human Body: The Nodal Flow. <i>Annual Review of Fluid Mechanics</i> , <b>2009</b> , 41, 53-72	22	31
31	Molecular motor KIF1C is not essential for mouse survival and motor-dependent retrograde Golgi apparatus-to-endoplasmic reticulum transport. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 866-73	4.8	29
30	The Molecular Motor KIF21B Mediates Synaptic Plasticity and Fear Extinction by Terminating Rac1 Activation. <i>Cell Reports</i> , <b>2018</b> , 23, 3864-3877	10.6	29
29	Mouse models of Charcot-Marie-Tooth disease. <i>Trends in Genetics</i> , <b>2002</b> , 18, S39-44	8.5	28
28	Excess hydrogen sulfide and polysulfides production underlies a schizophrenia pathophysiology. <i>EMBO Molecular Medicine</i> , <b>2019</b> , 11, e10695	12	25
27	Antioxidant signaling involving the microtubule motor KIF12 is an intracellular target of nutrition excess in beta cells. <i>Developmental Cell</i> , <b>2014</b> , 31, 202-14	10.2	20
26	KIF1B mutations detected in hereditary neuropathy impair IGF1R transport and axon growth. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 3480-3496	7.3	18
25	Kinesin Kif3b mutation reduces NMDAR subunit NR2A trafficking and causes schizophrenia-like phenotypes in mice. <i>EMBO Journal</i> , <b>2020</b> , 39, e101090	13	18

24	Antitumor immunity augments the therapeutic effects of p53 activation on acute myeloid leukemia. <i>Nature Communications</i> , <b>2019</b> , 10, 4869	17.4	15
23	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
22	The ubiquitin ligase STUB1 regulates stability and activity of RUNX1 and RUNX1-RUNX1T1. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 12528-12541	5.4	11
21	Discrimination of Dormant and Active Hematopoietic Stem Cells by G Marker Reveals Dormancy Regulation by Cytoplasmic Calcium. <i>Cell Reports</i> , <b>2019</b> , 29, 4144-4158.e7	10.6	11
20	Transcriptional activities of DUX4 fusions in B-cell acute lymphoblastic leukemia. <i>Haematologica</i> , <b>2018</b> , 103, e522-e526	6.6	10
19	Improving the quality of a recombinant rabbit monoclonal antibody against PLXDC2 by optimizing transient expression conditions and purification method. <i>Protein Expression and Purification</i> , <b>2018</b> , 146, 27-33	2	9
18	The Atypical Kinesin KIF26A Facilitates Termination of Nociceptive Responses by Sequestering Focal Adhesion Kinase. <i>Cell Reports</i> , <b>2018</b> , 24, 2894-2907	10.6	9
17	A histone modifier, ASXL1, interacts with NONO and is involved in paraspeckle formation in hematopoietic cells. <i>Cell Reports</i> , <b>2021</b> , 36, 109576	10.6	7
16	HHEX promotes myeloid transformation in cooperation with mutant ASXL1. <i>Blood</i> , <b>2020</b> , 136, 1670-1684.2	4.2	6
15	Novel working hypothesis for pathogenesis of hematological malignancies: combination of mutations-induced cellular phenotypes determines the disease (cMIP-DD). <i>Journal of Biochemistry</i> , <b>2016</b> , 159, 17-25	3.1	4
14	Opposing effects of acute versus chronic inhibition of p53 on decitabine's efficacy in myeloid neoplasms. <i>Scientific Reports</i> , <b>2019</b> , 9, 8171	4.9	3
13	Exclusion of Kif1c as a candidate gene for anthrax toxin susceptibility. <i>Microbial Pathogenesis</i> , <b>2010</b> , 48, 188-90	3.8	3
12	CHIP-associated mutant ASXL1 in blood cells promotes solid tumor progression.. <i>Cancer Science</i> , <b>2022</b> ,	6.9	2
11	A neuropathy-associated kinesin KIF1A mutation hyper-stabilizes the motor-neck interaction during the ATPase cycle.. <i>EMBO Journal</i> , <b>2022</b> , e108899	13	2
10	Betaine ameliorates schizophrenic traits by functionally compensating for KIF3-based CRMP2 transport. <i>Cell Reports</i> , <b>2021</b> , 35, 108971	10.6	2
9	Eliminating chronic myeloid leukemia stem cells by IRAK1/4 inhibitors.. <i>Nature Communications</i> , <b>2022</b> , 13, 271	17.4	1
8	Efficacy of tyrosine kinase inhibitors on a mouse chronic myeloid leukemia model and chronic myeloid leukemia stem cells. <i>Experimental Hematology</i> , <b>2020</b> , 90, 46-51.e2	3.1	1
7	MDS cells impair osteolineage differentiation of MSCs via extracellular vesicles to suppress normal hematopoiesis.. <i>Cell Reports</i> , <b>2022</b> , 39, 110805	10.6	0

- 6 Impaired Osteoblastic Differentiation of MSCs Suppresses Normal Hematopoiesis in MDS. *Blood*, **2020**, 136, 17-18 2.2
- 5 A p53-MDM2 Interaction Inhibitor, DS-5272, Inhibits the Development of MLL-Fusion Leukemia with the Assistance of Tumor Immunity. *Blood*, **2017**, 130, 796-796 2.2
- 4 Mutant ASXL1 Disrupts Paraspeckle Formation through Aberrant Interaction with Nono in Hematopoietic Cells. *Blood*, **2019**, 134, 2514-2514 2.2
- 3 Cytoskeleton | Microtubule-Associated Proteins **2021**, 240-246
- 2 Further Reading | Kinesin Superfamily Proteins **2021**, 535-546
- 1 CRISPR/Cas9-mediated base-editing enables a chain reaction through sequential repair of sgRNA scaffold mutations.. *Scientific Reports*, **2021**, 11, 23889 4.9