

# Daiju Kitagawa

## List of Publications by Year in descending order

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33  
papers

1,549  
citations

430874

18  
h-index

414414

32  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Basis of the 9-Fold Symmetry of Centrioles. <i>Cell</i> , 2011, 144, 364-375.	28.9	317
2	Direct interaction of Plk4 with STIL ensures formation of a single procentriole per parental centriole. <i>Nature Communications</i> , 2014, 5, 5267.	12.8	210
3	Activation of Extracellular Signal-regulated Kinase by Ultraviolet Is Mediated through Src-dependent Epidermal Growth Factor Receptor Phosphorylation. <i>Journal of Biological Chemistry</i> , 2002, 277, 366-371.	3.4	127
4	Spindle positioning in human cells relies on proper centriole formation and on the microcephaly proteins CPAP and STIL. <i>Journal of Cell Science</i> , 2011, 124, 3884-3893.	2.0	99
5	NuMA assemblies organize microtubule asters to establish spindle bipolarity in acentrosomal human cells. <i>EMBO Journal</i> , 2020, 39, e102378.	7.8	97
6	CDK1 Prevents Unscheduled PLK4-STIL Complex Assembly in Centriole Biogenesis. <i>Current Biology</i> , 2016, 26, 1127-1137.	3.9	68
7	Phosphorylation of SAS-6 by ZYG-1 Is Critical for Centriole Formation in <i>C. elegans</i> Embryos. <i>Developmental Cell</i> , 2009, 17, 900-907.	7.0	54
8	The Cep57-pericentrin module organizes PCM expansion and centriole engagement. <i>Nature Communications</i> , 2019, 10, 931.	12.8	54
9	Cep295 is a conserved scaffold protein required for generation of a bona fide mother centriole. <i>Nature Communications</i> , 2016, 7, 12567.	12.8	53
10	Self-organization of Plk4 regulates symmetry breaking in centriole duplication. <i>Nature Communications</i> , 2019, 10, 1810.	12.8	52
11	PP2A Phosphatase Acts upon SAS-5 to Ensure Centriole Formation in <i>C. elegans</i> Embryos. <i>Developmental Cell</i> , 2011, 20, 550-562.	7.0	51
12	Bimodal Binding of STIL to Plk4 Controls Proper Centriole Copy Number. <i>Cell Reports</i> , 2018, 23, 3160-3169.e4.	6.4	51
13	RBM14 prevents assembly of centriolar protein complexes and maintains mitotic spindle integrity. <i>EMBO Journal</i> , 2015, 34, 97-114.	7.8	32
14	Katanin p80, NuMA and cytoplasmic dynein cooperate to control microtubule dynamics. <i>Scientific Reports</i> , 2017, 7, 39902.	3.3	25
15	A theory of centriole duplication based on self-organized spatial pattern formation. <i>Journal of Cell Biology</i> , 2019, 218, 3537-3547.	5.2	25
16	HsSAS-6-dependent cartwheel assembly ensures stabilization of centriole intermediates. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	24
17	Ultrastructural diversity between centrioles of eukaryotes. <i>Journal of Biochemistry</i> , 2018, 164, 1-8.	1.7	22
18	NEK7 is required for G1 progression and procentriole formation. <i>Molecular Biology of the Cell</i> , 2017, 28, 2123-2134.	2.1	21

#	ARTICLE	IF	CITATIONS
19	Centriole and PCM cooperatively recruit CEP192 to spindle poles to promote bipolar spindle assembly. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	21
20	Feedback loops in the Plk4-“STIL”-HsSAS6 network coordinate site selection for procentriole formation. <i>Biology Open</i> , 2019, 8, .	1.2	20
21	Genetic dissection of the formation of the forebrain in Medaka, <i>Oryzias latipes</i> . <i>Mechanisms of Development</i> , 2004, 121, 673-685.	1.7	17
22	LIN-41 inactivation leads to delayed centrosome elimination and abnormal chromosome behavior during female meiosis in <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2016, 27, 799-811.	2.1	14
23	Emerging insights into symmetry breaking in centriole duplication: updated view on centriole duplication theory. <i>Current Opinion in Structural Biology</i> , 2021, 66, 8-14.	5.7	14
24	The Emerging Role of ncRNAs and RNA-Binding Proteins in Mitotic Apparatus Formation. <i>Non-coding RNA</i> , 2020, 6, 13.	2.6	11
25	Cep57 and Cep57L1 maintain centriole engagement in interphase to ensure centriole duplication cycle. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	10
26	Centrosomal and Non-centrosomal Functions Emerged through Eliminating Centrosomes. <i>Cell Structure and Function</i> , 2020, 45, 57-64.	1.1	8
27	Biophysical and biochemical properties of Deup1 self-assemblies: a potential driver for deuterosome formation during multiciliogenesis. <i>Biology Open</i> , 2021, 10, .	1.2	8
28	Experimental and Natural Induction of de novo Centriole Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 861864.	3.7	8
29	A novel genetic syndrome with <i>STARD9</i> mutation and abnormal spindle morphology. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 2690-2696.	1.2	7
30	The centriole protein CEP76 negatively regulates PLK1 activity in the cytoplasm for proper mitotic progression. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	6
31	Mechanisms of spindle bipolarity establishment in acentrosomal human cells. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1743899.	0.7	3
32	Overview of the “biophysics in nano-space” session at the 57th annual meeting of the biophysical society of Japan. <i>Biophysical Reviews</i> , 2020, 12, 283-285.	3.2	1
33	Suppression of ectopic assembly of centriole proteins ensures mitotic spindle integrity. <i>Molecular and Cellular Oncology</i> , 2015, 2, e1002717.	0.7	0