

# Nikolai Klena

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3655569/publications.pdf>

Version: 2024-02-01

16  
papers

1,489  
citations

686830

13  
h-index

940134

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

3329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global genetic analysis in mice unveils central role for cilia in congenital heart disease. <i>Nature</i> , 2015, 521, 520-524.	13.7	357
2	DYX1C1 is required for axonemal dynein assembly and ciliary motility. <i>Nature Genetics</i> , 2013, 45, 995-1003.	9.4	256
3	The complex genetics of hypoplastic left heart syndrome. <i>Nature Genetics</i> , 2017, 49, 1152-1159.	9.4	177
4	CCDC151 Mutations Cause Primary Ciliary Dyskinesia by Disruption of the Outer Dynein Arm Docking Complex Formation. <i>American Journal of Human Genetics</i> , 2014, 95, 257-274.	2.6	149
5	Discovery of four recessive developmental disorders using probabilistic genotype and phenotype matching among 4,125 families. <i>Nature Genetics</i> , 2015, 47, 1363-1369.	9.4	133
6	A helical inner scaffold provides a structural basis for centriole cohesion. <i>Science Advances</i> , 2020, 6, eaaz4137.	4.7	116
7	MMP21 is mutated in human heterotaxy and is required for normal left-right asymmetry in vertebrates. <i>Nature Genetics</i> , 2015, 47, 1260-1263.	9.4	65
8	Genetic link between renal birth defects and congenital heart disease. <i>Nature Communications</i> , 2016, 7, 11103.	5.8	50
9	Overview of the centriole architecture. <i>Current Opinion in Structural Biology</i> , 2021, 66, 58-65.	2.6	46
10	Visualizing the native cellular organization by coupling cryofixation with expansion microscopy (Cryo-ExM). <i>Nature Methods</i> , 2022, 19, 216-222.	9.0	40
11	Architecture of the centriole cartwheel-containing region revealed by cryo-electron tomography. <i>EMBO Journal</i> , 2020, 39, e106246.	3.5	32
12	Role of cilia in structural birth defects: Insights from ciliopathy mutant mouse models. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2014, 102, 115-125.	3.6	24
13	Kinesin-1 activity recorded in living cells with a precipitating dye. <i>Nature Communications</i> , 2021, 12, 1463.	5.8	14
14	Biliary-Atresia-Associated Mannosidase-1-Alpha-2 Gene Regulates Biliary and Ciliary Morphogenesis and Laterality. <i>Frontiers in Physiology</i> , 2020, 11, 538701.	1.3	13
15	Isolation and Fluorescence Imaging for Single-particle Reconstruction of <i>Chlamydomonas</i> Centrioles. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	7
16	Role of Cilia and Left-Right Patterning in Congenital Heart Disease. , 2016, , 67-79.		3