

# Nikolai Klena

## List of Publications by Year in Descending Order

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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.

17  
papers

989  
citations

11  
h-index

20  
g-index

20  
ext. papers

1,308  
ext. citations

21  
avg, IF

3.28  
L-index

| #  | Paper  | IF    | Citations |
|----|--|-------|-----------|
| 17 | Visualizing the native cellular organization by coupling cryofixation with expansion microscopy (Cryo-ExM).. <i>Nature Methods</i> , <b>2022</b> ,                                       | 21.6  | 5         |
| 16 | Kinesin-1 activity recorded in living cells with a precipitating dye. <i>Nature Communications</i> , <b>2021</b> , 12, 146317.4  | 17.4  | 6         |
| 15 | Overview of the centriole architecture. <i>Current Opinion in Structural Biology</i> , <b>2021</b> , 66, 58-65   | 8.1   | 19        |
| 14 | A helical inner scaffold provides a structural basis for centriole cohesion. <i>Science Advances</i> , <b>2020</b> , 6, eaaz4137   | 41.37 | 54        |
| 13 | Architecture of the centriole cartwheel-containing region revealed by cryo-electron tomography. <i>EMBO Journal</i> , <b>2020</b> , 39, e106246  | 13    | 22        |
| 12 | Biliary-Atresia-Associated Mannosidase-1-Alpha-2 Gene Regulates Biliary and Ciliary Morphogenesis and Laterality. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 538701              | 4.6   | 4         |
| 11 | Isolation and Fluorescence Imaging for Single-particle Reconstruction of Chlamydomonas Centrioles. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,                              | 1.6   | 4         |
| 10 | The complex genetics of hypoplastic left heart syndrome. <i>Nature Genetics</i> , <b>2017</b> , 49, 1152-1159  | 36.3  | 107       |
| 9  | Role of Cilia and Left-Right Patterning in Congenital Heart Disease <b>2016</b> , 67-79  |       | 2         |
| 8  | Genetic link between renal birth defects and congenital heart disease. <i>Nature Communications</i> , <b>2016</b> , 7, 11103   | 17.4  | 32        |
| 7  | Global genetic analysis in mice unveils central role for cilia in congenital heart disease. <i>Nature</i> , <b>2015</b> , 521, 520-4   | 50.4  | 256       |
| 6  | MMP21 is mutated in human heterotaxy and is required for normal left-right asymmetry in vertebrates. <i>Nature Genetics</i> , <b>2015</b> , 47, 1260-3                                   | 36.3  | 52        |
| 5  | Discovery of four recessive developmental disorders using probabilistic genotype and phenotype matching among 4,125 families. <i>Nature Genetics</i> , <b>2015</b> , 47, 1363-9          | 36.3  | 91        |
| 4  | CCDC151 mutations cause primary ciliary dyskinesia by disruption of the outer dynein arm docking complex formation. <i>American Journal of Human Genetics</i> , <b>2014</b> , 95, 257-74 | 11    | 113       |
| 3  | Role of cilia in structural birth defects: insights from ciliopathy mutant mouse models. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , <b>2014</b> , 102, 115-25          |       | 21        |
| 2  | DYX1C1 is required for axonemal dynein assembly and ciliary motility. <i>Nature Genetics</i> , <b>2013</b> , 45, 995-1003  | 36.3  | 197       |
| 1  | In situ architecture of the ciliary base reveals the stepwise assembly of IFT trains   |       | 2         |

