

# Virginie Hamel

## 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.

30  
papers

751  
citations

15  
h-index

27  
g-index

49  
ext. papers

1,173  
ext. citations

11.1  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
30	Visualizing the native cellular organization by coupling cryofixation with expansion microscopy (Cryo-ExM).. <i>Nature Methods</i> , <b>2022</b> ,	21.6	5
29	Expansion microscopy provides new insights into the cytoskeleton of malaria parasites including the conservation of a conoid. <i>PLoS Biology</i> , <b>2021</b> , 19, e3001020	9.7	22
28	Tuning SAS-6 architecture with monobodies impairs distinct steps of centriole assembly. <i>Nature Communications</i> , <b>2021</b> , 12, 3805	17.4	2
27	Ultrastructure expansion microscopy (U-ExM). <i>Methods in Cell Biology</i> , <b>2021</b> , 161, 57-81	1.8	14
26	Overview of the centriole architecture. <i>Current Opinion in Structural Biology</i> , <b>2021</b> , 66, 58-65	8.1	19
25	Improving the resolution of fluorescence nanoscopy using post-expansion labeling microscopy. <i>Methods in Cell Biology</i> , <b>2021</b> , 161, 297-315	1.8	0
24	The centriolar tubulin code.. <i>Seminars in Cell and Developmental Biology</i> , <b>2021</b> ,	7.5	3
23	Homogeneous multifocal excitation for high-throughput super-resolution imaging. <i>Nature Methods</i> , <b>2020</b> , 17, 726-733	21.6	18
22	A helical inner scaffold provides a structural basis for centriole cohesion. <i>Science Advances</i> , <b>2020</b> , 6, eaaz4137	11.37	54
21	Molecular resolution imaging by post-labeling expansion single-molecule localization microscopy (Ex-SMLM). <i>Nature Communications</i> , <b>2020</b> , 11, 3388	17.4	51
20	Architecture of the centriole cartwheel-containing region revealed by cryo-electron tomography. <i>EMBO Journal</i> , <b>2020</b> , 39, e106246	13	22
19	Essential function of the alveolin network in the subpellicular microtubules and conoid assembly in. <i>ELife</i> , <b>2020</b> , 9,	8.9	27
18	WDR90 is a centriolar microtubule wall protein important for centriole architecture integrity. <i>ELife</i> , <b>2020</b> , 9,	8.9	14
17	Imaging cellular ultrastructures using expansion microscopy (U-ExM). <i>Nature Methods</i> , <b>2019</b> , 16, 71-74	21.6	153
16	Flagellar microtubule doublet assembly in vitro reveals a regulatory role of tubulin C-terminal tails. <i>Science</i> , <b>2019</b> , 363, 285-288	33.3	23
15	The Rise of the Cartwheel: Seeding the Centriole Organelle. <i>BioEssays</i> , <b>2018</b> , 40, e1700241	4.1	35
14	Reconstruction From Multiple Particles for 3D Isotropic Resolution in Fluorescence Microscopy. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1235-1246	11.7	7

13	Isolation and Fluorescence Imaging for Single-particle Reconstruction of Chlamydomonas Centrioles. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	4
12	Cell-free reconstitution reveals centriole cartwheel assembly mechanisms. <i>Nature Communications</i> , <b>2017</b> , 8, 14813	17.4	60
11	Identification of Chlamydomonas Central Core Centriolar Proteins Reveals a Role for Human WDR90 in Ciliogenesis. <i>Current Biology</i> , <b>2017</b> , 27, 2486-2498.e6	6.3	42
10	Computational support for a scaffolding mechanism of centriole assembly. <i>Scientific Reports</i> , <b>2016</b> , 6, 27075	4.9	10
9	SAS-6 engineering reveals interdependence between cartwheel and microtubules in determining centriole architecture. <i>Nature Cell Biology</i> , <b>2016</b> , 18, 393-403	23.4	55
8	Isolation, cryotomography, and three-dimensional reconstruction of centrioles. <i>Methods in Cell Biology</i> , <b>2015</b> , 129, 191-209	1.8	4
7	Mechanisms of HsSAS-6 assembly promoting centriole formation in human cells. <i>Journal of Cell Biology</i> , <b>2014</b> , 204, 697-712	7.3	59
6	Correlative multicolor 3D SIM and STORM microscopy. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 3326-36	3.5	33
5	In situ architecture of the ciliary base reveals the stepwise assembly of IFT trains		2
4	WDR90 is a centriolar microtubule wall protein important for centriole architecture integrity		3
3	Molecular resolution imaging by post-labeling expansion single-molecule localization microscopy (Ex-SMLM)		2
2	Expansion Microscopy provides new insights into the cytoskeleton of malaria parasites including the conservation of a conoid		3
1	Imaging beyond the super-resolution limits using ultrastructure expansion microscopy (UltraExM)		4