

# Natacha Olieric

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5398140/publications.pdf>

Version: 2024-02-01

25  
papers

1,073  
citations

430874

18  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Serial millisecond crystallography for routine room-temperature structure determination at synchrotrons. <i>Nature Communications</i> , 2017, 8, 542.	12.8	203
2	CLASP Suppresses Microtubule Catastrophes through a Single TOG Domain. <i>Developmental Cell</i> , 2018, 46, 40-58.e8.	7.0	110
3	Kinesin-Binding Protein Controls Microtubule Dynamics and Cargo Trafficking by Regulating Kinesin Motor Activity. <i>Current Biology</i> , 2016, 26, 849-861.	3.9	82
4	The multi-subunit GID/CTLH E3 ubiquitin ligase promotes cell proliferation and targets the transcription factor Hbp1 for degradation. <i>ELife</i> , 2018, 7, .	6.0	76
5	Triazolopyrimidines Are Microtubule-Stabilizing Agents that Bind the Vinca Inhibitor Site of Tubulin. <i>Cell Chemical Biology</i> , 2017, 24, 737-750.e6.	5.2	58
6	Identification of Chlamydomonas Central Core Centriolar Proteins Reveals a Role for Human WDR90 in Ciliogenesis. <i>Current Biology</i> , 2017, 27, 2486-2498.e6.	3.9	53
7	A Robust, GFP-Orthogonal Photoswitchable Inhibitor Scaffold Extends Optical Control over the Microtubule Cytoskeleton. <i>Cell Chemical Biology</i> , 2021, 28, 228-241.e6.	5.2	43
8	The synthetic diazonamide DZ-2384 has distinct effects on microtubule curvature and dynamics without neurotoxicity. <i>Science Translational Medicine</i> , 2016, 8, 365ra159.	12.4	42
9	Data-collection strategy for challenging native SAD phasing. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 421-429.	2.3	42
10	Structural basis of tubulin detyrosination by the vasohibinâ€“SVBP enzyme complex. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 571-582.	8.2	42
11	GEF-H1 Signaling upon Microtubule Destabilization Is Required for Dendritic Cell Activation and Specific Anti-tumor Responses. <i>Cell Reports</i> , 2019, 28, 3367-3380.e8.	6.4	37
12	Structure, Thermodynamics, and Kinetics of Plinabulin Binding to Two Tubulin Isoforms. <i>CheM</i> , 2019, 5, 2969-2986.	11.7	33
13	Structure-activity relationships, biological evaluation and structural studies of novel pyrrolonaphthoxazepines as antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 290-320.	5.5	31
14	WDR90 is a centriolar microtubule wall protein important for centriole architecture integrity. <i>ELife</i> , 2020, 9, .	6.0	31
15	Mechanisms of Motor-Independent Membrane Remodeling Driven by Dynamic Microtubules. <i>Current Biology</i> , 2020, 30, 972-987.e12.	3.9	30
16	The Human Centriolar Protein CEP135 Contains a Two-Stranded Coiled-Coil Domain Critical for Microtubule Binding. <i>Structure</i> , 2016, 24, 1358-1371.	3.3	27
17	Structural basis for misregulation of kinesin KIF21A autoinhibition by CFEOM1 disease mutations. <i>Scientific Reports</i> , 2016, 6, 30668.	3.3	26
18	Advances in long-wavelength native phasing at X-ray free-electron lasers. <i>IUCr</i> , 2020, 7, 965-975.	2.2	25

#	ARTICLE	IF	CITATIONS
19	Long-wavelength native-SAD phasing: opportunities and challenges. IUCr, 2019, 6, 373-386.	2.2	22
20	The mechanism of kinesin inhibition by kinesin-binding protein. ELife, 2020, 9, .	6.0	15
21	Centriole length control. Current Opinion in Structural Biology, 2021, 66, 89-95.	5.7	13
22	Cep120 promotes microtubule formation through a unique tubulin binding C2 domain. Journal of Structural Biology, 2018, 203, 62-70.	2.8	10
23	Sustainable Syntheses of (âˆ²)-Jerantinines A & E and Structural Characterisation of the Jerantine-Tubulin Complex at the Colchicine Binding Site. Scientific Reports, 2018, 8, 10617.	3.3	10
24	Quinolin-6-Yloxyacetamides Are Microtubule Destabilizing Agents That Bind to the Colchicine Site of Tubulin. International Journal of Molecular Sciences, 2017, 18, 1336.	4.1	9
25	Crystallization Systems for the High-Resolution Structural Analysis of Tubulinâ€™Ligand Complexes. Methods in Molecular Biology, 2022, 2430, 349-374.	0.9	3