

# Thomas Otavio Peulen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1666885/publications.pdf>

Version: 2024-02-01

20  
papers

1,437  
citations

840776

11  
h-index

1058476

14  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2162  
citing authors

#	ARTICLE	IF	CITATIONS
1	A toolkit and benchmark study for FRET-restrained high-precision structural modeling. <i>Nature Methods</i> , 2012, 9, 1218-1225.	19.0	400
2	Diffusion of Nanoparticles in a Biofilm. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3367-3373.	10.0	327
3	Quantitative FRET studies and integrative modeling unravel the structure and dynamics of biomolecular systems. <i>Current Opinion in Structural Biology</i> , 2016, 40, 163-185.	5.7	156
4	FRET-based dynamic structural biology: Challenges, perspectives and an appeal for open-science practices. <i>ELife</i> , 2021, 10, .	6.0	152
5	Guanylate binding proteins directly attack <i>Toxoplasma gondii</i> via supramolecular complexes. <i>ELife</i> , 2016, 5, .	6.0	114
6	Combining Graphical and Analytical Methods with Molecular Simulations To Analyze Time-Resolved FRET Measurements of Labeled Macromolecules Accurately. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8211-8241.	2.6	71
7	Resolving dynamics and function of transient states in single enzyme molecules. <i>Nature Communications</i> , 2020, 11, 1231.	12.8	71
8	Triphosphate Induced Dimerization of Human Guanylate Binding Protein 1 Involves Association of the C-Terminal Helices: A Joint Double Electronâ€Electron Resonance and FRET Study. <i>Biochemistry</i> , 2014, 53, 4590-4600.	2.5	42
9	Automated and optimally FRET-assisted structural modeling. <i>Nature Communications</i> , 2020, 11, 5394.	12.8	39
10	Structural assemblies of the di- and oligomeric G-protein coupled receptor TGR5 in live cells: an MFIS-FRET and integrative modelling study. <i>Scientific Reports</i> , 2016, 6, 36792.	3.3	23
11	Unraveling multi-state molecular dynamics in single-molecule FRET experiments. I. Theory of FRET-lines. <i>Journal of Chemical Physics</i> , 2022, 156, 141501.	3.0	23
12	Unraveling multi-state molecular dynamics in single-molecule FRET experiments. II. Quantitative analysis of multi-state kinetic networks. <i>Journal of Chemical Physics</i> , 0, , .	3.0	8
13	Integration of software tools for integrative modeling of biomolecular systems. <i>Journal of Structural Biology</i> , 2022, 214, 107841.	2.8	7
14	Single Molecule FRET Studies of Protein Conformational Landscapes: 3 Prototypic Examples for the Relation Between Conformational Dynamics and Function. <i>Biophysical Journal</i> , 2011, 100, 474a-475a.	0.5	2
15	A Multiscalar Framework describes Fluorescence and FRET of Fluctuating Molecular Species and Resolves Kinetic Networks. <i>Biophysical Journal</i> , 2017, 112, 133a-134a.	0.5	1
16	Structural and Dynamic Features of the Immuno-Active GTPase hGBP1 - a Single Molecule Study. <i>Biophysical Journal</i> , 2011, 100, 353a.	0.5	0
17	Toolkit for Multi-Conformation Biomolecular Structure Determination by High-Precision FRET and Molecular Simulations. <i>Biophysical Journal</i> , 2015, 108, 163a-164a.	0.5	0
18	Mapping Motions and Structure to a State Necessary for Oligomerization of a Large GTPase: A Joint SAXS, NSE, EPR and FRET Study. <i>Biophysical Journal</i> , 2016, 110, 514a.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Protein Structure Determination by High-Precision FRET and Molecular Modeling. Biophysical Journal, 2017, 112, 48a.	0.5	0
20	Integrative Dynamic Structural Biology with Fluorescence Spectroscopy. Biophysical Journal, 2019, 116, 469a-470a.	0.5	0