

# Jan Michael Schuller

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6760110/jan-michael-schuller-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

700  
citations

15  
h-index

26  
g-index

32  
ext. papers

1,026  
ext. citations

17.2  
avg, IF

4.13  
L-index

#	Paper	IF	Citations
25	Structural adaptations of photosynthetic complex I enable ferredoxin-dependent electron transfer. <i>Science</i> , <b>2019</b> , 363, 257-260	33.3	97
24	Structures of the cyanobacterial circadian oscillator frozen in a fully assembled state. <i>Science</i> , <b>2017</b> , 355, 1181-1184	33.3	77
23	Structure and catalytic mechanism of a cyclic dipeptide prenyltransferase with broad substrate promiscuity. <i>Journal of Molecular Biology</i> , <b>2012</b> , 422, 87-99	6.5	57
22	Fast and accurate reference-free alignment of subtomograms. <i>Journal of Structural Biology</i> , <b>2013</b> , 182, 235-45	3.4	56
21	Structure of the nuclear exosome captured on a maturing preribosome. <i>Science</i> , <b>2018</b> , 360, 219-222	33.3	55
20	Reconstitution of the complete pathway of ITS2 processing at the pre-ribosome. <i>Nature Communications</i> , <b>2017</b> , 8, 1787	17.4	44
19	Redox-coupled proton pumping drives carbon concentration in the photosynthetic complex I. <i>Nature Communications</i> , <b>2020</b> , 11, 494	17.4	38
18	Direct visualization of degradation microcompartments at the ER membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 1069-1080	11.5	37
17	Structural insights into photosystem II assembly. <i>Nature Plants</i> , <b>2021</b> , 7, 524-538	11.5	31
16	Nucleotide-dependent conformational changes of the AAA+ ATPase p97 revisited. <i>FEBS Letters</i> , <b>2016</b> , 590, 595-604	3.8	30
15	Molecular Basis for poly(A) RNP Architecture and Recognition by the Pan2-Pan3 Deadenylation. <i>Cell</i> , <b>2019</b> , 177, 1619-1631.e21	56.2	26
14	A new-to-nature carboxylation module to improve natural and synthetic CO <sub>2</sub> fixation. <i>Nature Catalysis</i> , <b>2021</b> , 4, 105-115	36.5	24
13	Distinct and evolutionary conserved structural features of the human nuclear exosome complex. <i>ELife</i> , <b>2018</b> , 7,	8.9	22
12	InsP binding to PIKK kinases revealed by the cryo-EM structure of an SMG1-SMG8-SMG9 complex. <i>Nature Structural and Molecular Biology</i> , <b>2019</b> , 26, 1089-1093	17.6	20
11	Structural basis for VIPP1 oligomerization and maintenance of thylakoid membrane integrity. <i>Cell</i> , <b>2021</b> , 184, 3643-3659.e23	56.2	17
10	Structural basis for recognition and remodeling of the TBP:DNA:NC2 complex by Mot1. <i>ELife</i> , <b>2015</b> , 4,	8.9	14
9	Molecular architecture of the HerA-NurA DNA double-strand break resection complex. <i>FEBS Letters</i> , <b>2014</b> , 588, 4637-44	3.8	10

8	Emerging mechanistic insights into AAA complexes regulating proteasomal degradation. <i>Biomolecules</i> , <b>2014</b> , 4, 774-94	5.9	9
7	To Process or to Decay: A Mechanistic View of the Nuclear RNA Exosome. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2019</b> , 84, 155-163	3.9	9
6	Structural basis for VIPP1 oligomerization and maintenance of thylakoid membrane integrity		7
5	Structural insights into the nucleic acid remodeling mechanisms of the yeast THO-Sub2 complex. <i>ELife</i> , <b>2020</b> , 9,	8.9	6
4	Effect of lipid head groups on double-layered two-dimensional crystals formed by aquaporin-0. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117371	3.7	5
3	Automatic particle picking and multi-class classification in cryo-electron tomograms <b>2014</b> ,		4
2	How to build a water-splitting machine: structural insights into photosystem II assembly		3
1	Biomolekulare Maschinen des Kohlenstoff-Konzentrationsmechanismus. <i>BioSpektrum</i> , <b>2021</b> , 27, 448-448.1		