

# Joseph H Davis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6634654/publications.pdf>

Version: 2024-02-01

20  
papers

2,598  
citations

394421

19  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Addressing preferred specimen orientation in single-particle cryo-EM through tilting. <i>Nature Methods</i> , 2017, 14, 793-796.	19.0	708
2	Measuring the activity of BioBrick promoters using an in vivo reference standard. <i>Journal of Biological Engineering</i> , 2009, 3, 4.	4.7	347
3	Design, construction and characterization of a set of insulated bacterial promoters. <i>Nucleic Acids Research</i> , 2011, 39, 1131-1141.	14.5	302
4	CryoDRGN: reconstruction of heterogeneous cryo-EM structures using neural networks. <i>Nature Methods</i> , 2021, 18, 176-185.	19.0	299
5	Modular Assembly of the Bacterial Large Ribosomal Subunit. <i>Cell</i> , 2016, 167, 1610-1622.e15.	28.9	163
6	Structure and dynamics of bacterial ribosome biogenesis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160181.	4.0	103
7	Structures of radial spokes and associated complexes important for ciliary motility. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 29-37.	8.2	81
8	Discovery of a small molecule that inhibits bacterial ribosome biogenesis. <i>ELife</i> , 2014, 3, e03574.	6.0	74
9	Characterization of Functional Heme Domains from Soluble Guanylate Cyclase. <i>Biochemistry</i> , 2005, 44, 16266-16274.	2.5	70
10	Nitric Oxide Binding to Prokaryotic Homologs of the Soluble Guanylate Cyclase $\hat{2}$ 1 H-NOX Domain. <i>Journal of Biological Chemistry</i> , 2006, 281, 21892-21902.	3.4	66
11	Functional domains of the 50S subunit mature late in the assembly process. <i>Nucleic Acids Research</i> , 2014, 42, 3419-3435.	14.5	64
12	Measuring the dynamics of <i>E. coli</i> ribosome biogenesis using pulse-labeling and quantitative mass spectrometry. <i>Molecular BioSystems</i> , 2012, 8, 3325.	2.9	54
13	YphC and YsxC GTPases assist the maturation of the central protuberance, GTPase associated region and functional core of the 50S ribosomal subunit. <i>Nucleic Acids Research</i> , 2016, 44, 8442-8455.	14.5	42
14	Single-molecule denaturation and degradation of proteins by the AAA+ ClpXP protease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19340-19345.	7.1	41
15	Small-Molecule Control of Protein Degradation Using Split Adaptors. <i>ACS Chemical Biology</i> , 2011, 6, 1205-1213.	3.4	35
16	Role of Era in assembly and homeostasis of the ribosomal small subunit. <i>Nucleic Acids Research</i> , 2019, 47, 8301-8317.	14.5	34
17	Binding properties of YjeQ (RsgA), RbfA, RimM and Era to assembly intermediates of the 30S subunit. <i>Nucleic Acids Research</i> , 2016, 44, gkw613.	14.5	32
18	Functional Interaction between Ribosomal Protein L6 and RbgA during Ribosome Assembly. <i>PLoS Genetics</i> , 2014, 10, e1004694.	3.5	23

#	ARTICLE	IF	CITATIONS
19	Engineering Synthetic Adaptors and Substrates for Controlled ClpXP Degradation. Journal of Biological Chemistry, 2009, 284, 21848-21855.	3.4	22
20	CryoDRGN2: Ab initio neural reconstruction of 3D protein structures from real cryo-EM images. , 2021, , .		21