

Robert A Grassucci

List of Publications by Year in descending order

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34
papers

5,756
citations

185998

28
h-index

454577

30
g-index

34
all docs

34
docs citations

34
times ranked

4318
citing authors

#	ARTICLE	IF	CITATIONS
1	Domain movements of elongation factor eEF2 and the eukaryotic 80S ribosome facilitate tRNA translocation. <i>Journal of hand surgery Asian-Pacific volume, The</i> , 2018, , 361-372.	0.2	0
2	Structural Basis for Gating and Activation of RyR1. <i>Journal of hand surgery Asian-Pacific volume, The</i> , 2018, , 497-515.	0.2	0
3	Determination of the ribosome structure to a resolution of 2.5 Å... by singleâ€particle cryoâ€EM. <i>Protein Science</i> , 2017, 26, 82-92.	3.1	26
4	Structural Basis for Gating and Activation of RyR1. <i>Cell</i> , 2016, 167, 145-157.e17.	13.5	301
5	CTF Challenge: Result summary. <i>Journal of Structural Biology</i> , 2015, 190, 348-359.	1.3	34
6	Structure of a mammalian ryanodine receptor. <i>Nature</i> , 2015, 517, 44-49.	13.7	350
7	Structure of the mammalian ribosomal pre-termination complex associated with eRF1â€eRF3â€GDPNP. <i>Nucleic Acids Research</i> , 2014, 42, 3409-3418.	6.5	63
8	Hepatitis-C-virus-like internal ribosome entry sites displace eIF3 to gain access to the 40S subunit. <i>Nature</i> , 2013, 503, 539-543.	13.7	158
9	Structure of the Mammalian Ribosomal 43S Preinitiation Complex Bound to the Scanning Factor DHX29. <i>Cell</i> , 2013, 153, 1108-1119.	13.5	197
10	Cryo-EM structure of the mammalian eukaryotic release factor eRF1â€eRF3-associated termination complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18413-18418.	3.3	53
11	Ribosome-induced changes in elongation factor Tu conformation control GTP hydrolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1063-1068.	3.3	219
12	Visualization of macromolecular complexes using cryo-electron microscopy with FEI Tecnai transmission electron microscopes. <i>Nature Protocols</i> , 2008, 3, 330-339.	5.5	46
13	Exploration of parameters in cryo-EM leading to an improved density map of the E. coli ribosome. <i>Journal of Structural Biology</i> , 2008, 164, 24-32.	1.3	32
14	Preparation of macromolecular complexes for cryo-electron microscopy. <i>Nature Protocols</i> , 2007, 2, 3239-3246.	5.5	197
15	Visualization of ribosome-recycling factor on the Escherichia coli 70S ribosome: Functional implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8900-8905.	3.3	147
16	Domain movements of elongation factor eEF2 and the eukaryotic 80S ribosome facilitate tRNA translocation. <i>EMBO Journal</i> , 2004, 23, 1008-1019.	3.5	373
17	Structure of the signal recognition particle interacting with the elongation-arrested ribosome. <i>Nature</i> , 2004, 427, 808-814.	13.7	382
18	Cryo-EM Visualization of a Viral Internal Ribosome Entry Site Bound to Human Ribosomes. <i>Cell</i> , 2004, 118, 465-475.	13.5	239

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19	A cryo-electron microscopic study of ribosome-bound termination factor RF2. <i>Nature</i> , 2003, 421, 87-90.	13.7	234
20	Cryo-EM reveals an active role for aminoacyl-tRNA in the accommodation process. <i>EMBO Journal</i> , 2002, 21, 3557-3567.	3.5	272
21	Localization of the Ribosomal Protection Protein Tet(O) on the Ribosome and the Mechanism of Tetracycline Resistance. <i>Molecular Cell</i> , 2001, 7, 1037-1045.	4.5	82
22	Hepatitis C Virus IRES RNA-Induced Changes in the Conformation of the 40S Ribosomal Subunit. <i>Science</i> , 2001, 291, 1959-1962.	6.0	463
23	[18] Three-dimensional cryoelectron microscopy of ribosomes. <i>Methods in Enzymology</i> , 2000, 317, 276-291.	0.4	66
24	Cryo-Electron Microscopy Training at the Wadsworth Center. <i>Microscopy and Microanalysis</i> , 2000, 6, 278-279.	0.2	0
25	Visualization of Trna Movements on the Escherichia coli 70s Ribosome during the Elongation Cycle. <i>Journal of Cell Biology</i> , 2000, 150, 447-460.	2.3	158
26	Solution Structure of the E. coli 70S Ribosome at 11.5 Å... Resolution. <i>Cell</i> , 2000, 100, 537-549.	13.5	401
27	Effect of Buffer Conditions on the Position of tRNA on the 70 S Ribosome As Visualized by Cryoelectron Microscopy. <i>Journal of Biological Chemistry</i> , 1999, 274, 8723-8729.	1.6	84
28	EF-G-dependent GTP hydrolysis induces translocation accompanied by large conformational changes in the 70S ribosome. <i>Nature Structural Biology</i> , 1999, 6, 643-647.	9.7	282
29	Direct three-dimensional localization and positive identification of RNA helices within the ribosome by means of genetic tagging and cryo-electron microscopy. <i>Structure</i> , 1999, 7, 1567-1573.	1.6	33
30	Haloarcula marismortui 50S Subunit's Complementarity of Electron Microscopy and X-Ray Crystallographic Information. <i>Journal of Structural Biology</i> , 1999, 128, 44-50.	1.3	20
31	A 9 Å... Resolution X-Ray Crystallographic Map of the Large Ribosomal Subunit. <i>Cell</i> , 1998, 93, 1105-1115.	13.5	266
32	Escherichia coli 70 S ribosome at 15 Å... resolution by cryo-electron microscopy: localization of fmet-tRNA ^{fMet} and fitting of L1 protein. <i>Journal of Molecular Biology</i> , 1998, 280, 103-116.	2.0	189
33	The ribosome at improved resolution: New techniques for merging and orientation refinement in 3D cryo-electron microscopy of biological particles. <i>Ultramicroscopy</i> , 1994, 53, 251-270.	0.8	385
34	Cryo-Electron Microscopy of the Translational Apparatus: Experimental Evidence for the Paths of mRNA, tRNA, and the Polypeptide Chain. , 0, , 45-51.		4