

Assaf Alon

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,324
citations

623734

14
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

2374
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved molecular replacement by density- and energy-guided protein structure optimization. <i>Nature</i> , 2011, 473, 540-543.	27.8	226
2	Identification of the gene that codes for the γ 2 receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7160-7165.	7.1	224
3	Drug-induced phospholipidosis confounds drug repurposing for SARS-CoV-2. <i>Science</i> , 2021, 373, 541-547.	12.6	148
4	A Secreted Disulfide Catalyst Controls Extracellular Matrix Composition and Function. <i>Science</i> , 2013, 341, 74-76.	12.6	140
5	Structures of the γ 2 receptor enable docking for bioactive ligand discovery. <i>Nature</i> , 2021, 600, 759-764.	27.8	113
6	<i>AbDesign</i> : An algorithm for combinatorial backbone design guided by natural conformations and sequences. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1385-1406.	2.6	86
7	Human Quiescin-Sulfhydryl Oxidase, QSOX1: Probing Internal Redox Steps by Mutagenesis . <i>Biochemistry</i> , 2008, 47, 4955-4963.	2.5	73
8	The dynamic disulphide relay of quiescin sulphhydryl oxidase. <i>Nature</i> , 2012, 488, 414-418.	27.8	70
9	COVID-19: Famotidine, Histamine, Mast Cells, and Mechanisms. <i>Frontiers in Pharmacology</i> , 2021, 12, 633680.	3.5	64
10	QSOX contains a pseudo-dimer of functional and degenerate sulfhydryl oxidase domains. <i>FEBS Letters</i> , 2010, 584, 1521-1525.	2.8	40
11	An Inhibitory Antibody Blocks the First Step in the Dithiol/Disulfide Relay Mechanism of the Enzyme QSOX1. <i>Journal of Molecular Biology</i> , 2013, 425, 4366-4378.	4.2	26
12	Dormant spores sense amino acids through the B subunits of their germination receptors. <i>Nature Communications</i> , 2021, 12, 6842.	12.8	22
13	The SpoVA membrane complex is required for dipicolinic acid import during sporulation and export during germination. <i>Genes and Development</i> , 2022, 36, 634-646.	5.9	17
14	Structural Perspectives on Sigma-1 Receptor Function. <i>Advances in Experimental Medicine and Biology</i> , 2017, 964, 5-13.	1.6	14
15	Exploring ORFan Domains in Giant Viruses: Structure of Mimivirus Sulfhydryl Oxidase R596. <i>PLoS ONE</i> , 2012, 7, e50649.	2.5	14
16	<i>cis</i> -Proline mutants of quiescin sulfhydryl oxidase 1 with altered redox properties undermine extracellular matrix integrity and cell adhesion in fibroblast cultures. <i>Protein Science</i> , 2019, 28, 228-238.	7.6	10
17	Phylogenetics and enzymology of plant quiescin sulfhydryl oxidase. <i>FEBS Letters</i> , 2012, 586, 4119-4125.	2.8	6
18	The Spliced Leader RNA Silencing (SLS) Pathway in <i>Trypanosoma brucei</i> Is Induced by Perturbations of Endoplasmic Reticulum, Golgi Complex, or Mitochondrial Protein Factors: Functional Analysis of SLS-Inducing Kinase PK3. <i>MBio</i> , 2021, 12, e0260221.	4.1	2