Eran Eyal

List of Publications by Citations

31 papers	2,767 citations	20 h-index	32 g-index
32 ext. papers	3,460 ext. citations	9.9 avg, IF	4.53 L-index

#	Paper	IF	Citations
31	Stem cells. m6A mRNA methylation facilitates resolution of naïve pluripotency toward differentiation. *Science*, **2015**, 347, 1002-6	33.3	904
30	The dynamic N(1)-methyladenosine methylome in eukaryotic messenger RNA. *Nature*, **2016**, 530, 441-6	50.4	523
29	Anisotropic network model: systematic evaluation and a new web interface. *Bioinformatics*, **2006**, 22, 2619-27	7.2	237
28	MicroRNA-mediated loss of ADAR1 in metastatic melanoma promotes tumor growth. *Journal of Clinical Investigation*, **2013**, 123, 2703-18	15.9	125
27	The anisotropic network model web server at 2015 (ANM 2.0). *Bioinformatics*, **2015**, 31, 1487-9	7.2	118
26	Importance of solvent accessibility and contact surfaces in modeling side-chain conformations in proteins. *Journal of Computational Chemistry*, **2004**, 25, 712-24	3.5	107
25	MEDU-30. IDENTIFYING DISTINCTIVE lincRNAs IN THE DIFFERENT MEDULLOBLASTOMA SUBGROUPS. *Neuro-Oncology*, **2019**, 21, ii109-ii109	1	78
24	Global regulation of alternative splicing by adenosine deaminase acting on RNA (ADAR). *Rna*, **2013**, 19, 591-604	5.8	76
23	Toward a molecular understanding of the anisotropic response of proteins to external forces: insights from elastic network models. *Biophysical Journal*, **2008**, 94, 3424-35	2.9	70
22	Mutations in STN1 cause Coats plus syndrome and are associated with genomic and telomere defects. *Journal of Experimental Medicine*, **2016**, 213, 1429-40	16.6	65
21	Anisotropic fluctuations of amino acids in protein structures: insights from X-ray crystallography and elastic network models. *Bioinformatics*, **2007**, 23, i175-84	7.2	60
20	MECR Mutations Cause Childhood-Onset Dystonia and Optic Atrophy, a Mitochondrial Fatty Acid Synthesis Disorder. *American Journal of Human Genetics*, **2016**, 99, 1229-1244	11	59
19	Deleterious variants in TRAK1 disrupt mitochondrial movement and cause fatal encephalopathy. *Brain*, **2017**, 140, 568-581	11.2	40
18	RNA editing by ADAR1 leads to context-dependent transcriptome-wide changes in RNA secondary structure. *Nature Communications*, **2017**, 8, 1440	17.4	36
17	Somatic NRAS mutation in patient with generalized lymphatic anomaly. *Angiogenesis*, **2018**, 21, 287-298	10.6	34
16	Whole-genome sequencing reveals principles of brain retrotransposition in neurodevelopmental disorders. *Cell Research*, **2018**, 28, 187-203	24.7	29
15	Congenital protein losing enteropathy: an inborn error of lipid metabolism due to DGAT1 mutations. *European Journal of Human Genetics*, **2016**, 24, 1268-73	5.3	29

List of Publications

14	Mutations in PPCS, Encoding Phosphopantothenoylcysteine Synthetase, Cause Autosomal-Recessive Dilated Cardiomyopathy. *American Journal of Human Genetics*, **2018**, 102, 1018-1030	11	29
13	ESR1 mutations are frequent in newly diagnosed metastatic and loco-regional recurrence of endocrine-treated breast cancer and carry worse prognosis. *Breast Cancer Research*, **2020**, 22, 16	8.3	25
12	High metallothionein predicts poor survival in glioblastoma multiforme. *BMC Medical Genomics*, **2015**, 8, 68	3.7	21
11	Expanding the molecular diversity and phenotypic spectrum of glycerol 3-phosphate dehydrogenase 1 deficiency. *Journal of Inherited Metabolic Disease*, **2016**, 39, 689-695	5.4	18
10	G23D: Online tool for mapping and visualization of genomic variants on 3D protein structures. *BMC Genomics*, **2016**, 17, 681	4.5	16
9	Whole exome sequencing (WES) approach for diagnosing primary immunodeficiencies (PIDs) in a highly consanguineous community. *Clinical Immunology*, **2020**, 214, 108376	9	14
8	Characterizing of functional human coding RNA editing from evolutionary, structural, and dynamic perspectives. *Proteins: Structure, Function and Bioinformatics*, **2014**, 82, 3117-31	4.2	14
7	Cooperative dynamics of proteins unraveled by network models. *Wiley Interdisciplinary Reviews: Computational Molecular Science*, **2011**, 1, 426-439	7.9	13
6	A Novel Mutation in a Critical Region for the Methyl Donor Binding in DNMT3B Causes Immunodeficiency, Centromeric Instability, and Facial Anomalies Syndrome (ICF). *Journal of Clinical Immunology*, **2016**, 36, 801-809	5.7	8
5	Rapid assessment of correlated amino acids from pair-to-pair (P2P) substitution matrices. *Bioinformatics*, **2007**, 23, 1837-9	7.2	6
4	Reduced Function and Diversity of T Cell Repertoire and Distinct Clinical Course in Patients With Mutation. *Frontiers in Immunology*, **2019**, 10, 1672	8.4	5
3	Detection of BCR-ABL1 mutations in chronic myeloid leukaemia by massive parallel sequencing. *British Journal of Haematology*, **2013**, 160, 477-86	4.5	4
2	e23D: database and visualization of A-to-I RNA editing sites mapped to 3D protein structures. *Bioinformatics*, **2016**, 32, 2213-5	7.2	3
1	c.259A>C in the fibrinogen gene of alpha chain () is a fibrinogen with thrombotic phenotype. *The Application of Clinical Genetics*, **2019**, 12, 27-33	3.1	1