Eran Eyal

List of Publications by Year
in descending order

31 papers	3,817 citations	331538 21 h-index	434063 31 g-index
32 all docs	32 docs citations	32 times ranked	6576 citing authors

#	Article	IF	Citations
1	m ⁶ A mRNA methylation facilitates resolution of naÃ¯ve pluripotency toward differentiation. Science, 2015, 347, 1002-1006.	6.0	1,288
2	The dynamic N1-methyladenosine methylome in eukaryotic messenger RNA. Nature, 2016, 530, 441-446.	13.7	765
3	Anisotropic network model: systematic evaluation and a new web interface. Bioinformatics, 2006, 22, 2619-2627.	1.8	279
4	The anisotropic network model web server at 2015 (ANM 2.0). Bioinformatics, 2015, 31, 1487-1489.	1.8	158
5	MicroRNA-mediated loss of ADAR1 in metastatic melanoma promotes tumor growth. Journal of Clinical Investigation, 2013, 123, 2703-2718.	3.9	149
6	Importance of solvent accessibility and contact surfaces in modeling side-chain conformations in proteins. Journal of Computational Chemistry, 2004, 25, 712-724.	1.5	126
7	Global regulation of alternative splicing by adenosine deaminase acting on RNA (ADAR). Rna, 2013, 19, 591-604.	1.6	125
8	Mutations in STN1 cause Coats plus syndrome and are associated with genomic and telomere defects. Journal of Experimental Medicine, 2016, 213, 1429-1440.	4.2	100
9	Toward a Molecular Understanding of the Anisotropic Response of Proteins to External Forces: Insights from Elastic Network Models. Biophysical Journal, 2008, 94, 3424-3435.	0.2	94
10	MECR Mutations Cause Childhood-Onset Dystonia and Optic Atrophy, a Mitochondrial Fatty Acid Synthesis Disorder. American Journal of Human Genetics, 2016, 99, 1229-1244.	2.6	91
11	RNA editing by ADAR1 leads to context-dependent transcriptome-wide changes in RNA secondary structure. Nature Communications, 2017, 8, 1440.	5.8	77
12	Anisotropic fluctuations of amino acids in protein structures: insights from X-ray crystallography and elastic network models. Bioinformatics, 2007, 23, i175-i184.	1.8	73
13	Somatic NRAS mutation in patient with generalized lymphatic anomaly. Angiogenesis, 2018, 21, 287-298.	3.7	57
14	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.	2.2	56
15	Deleterious variants in TRAK1 disrupt mitochondrial movement and cause fatal encephalopathy. Brain, 2017, 140, 568-581.	3.7	53
16	Whole-genome sequencing reveals principles of brain retrotransposition in neurodevelopmental disorders. Cell Research, 2018, 28, 187-203.	5.7	46
17	Mutations in PPCS, Encoding Phosphopantothenoylcysteine Synthetase, Cause Autosomal-Recessive Dilated Cardiomyopathy. American Journal of Human Genetics, 2018, 102, 1018-1030.	2.6	42
18	Congenital protein losing enteropathy: an inborn error of lipid metabolism due to DGAT1 mutations. European Journal of Human Genetics, 2016, 24, 1268-1273.	1.4	37

#	Article	IF	Citations
19	High metallothionein predicts poor survival in glioblastoma multiforme. BMC Medical Genomics, 2015, 8, 68.	0.7	28
20	Cooperative dynamics of proteins unraveled by network models. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2011, 1, 426-439.	6.2	24
21	Expanding the molecular diversity and phenotypic spectrum of glycerol 3â€phosphate dehydrogenase 1 deficiency. Journal of Inherited Metabolic Disease, 2016, 39, 689-695.	1.7	24
22	Whole exome sequencing (WES) approach for diagnosing primary immunodeficiencies (PIDs) in a highly consanguineous community. Clinical Immunology, 2020, 214, 108376.	1.4	22
23	G23D: Online tool for mapping and visualization of genomic variants on 3D protein structures. BMC Genomics, 2016, 17, 681.	1.2	18
24	Reduced Function and Diversity of T Cell Repertoire and Distinct Clinical Course in Patients With IL7RA Mutation. Frontiers in Immunology, 2019, 10, 1672.	2.2	16
25	Characterizing of functional human coding RNA editing from evolutionary, structural, and dynamic perspectives. Proteins: Structure, Function and Bioinformatics, 2014, 82, 3117-3131.	1.5	15
26	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.	2.0	12
27	Rapid assessment of correlated amino acids from pair-to-pair (P2P) substitution matrices. Bioinformatics, 2007, 23, 1837-1839.	1.8	7
28	e23D: database and visualization of A-to-I RNA editing sites mapped to 3D protein structures. Bioinformatics, 2016, 32, 2213-2215.	1.8	5
29	Detection of <scp>BCR</scp>â€<scp>ABL</scp>1 mutations in chronic myeloid leukaemia by massive parallel sequencing. British Journal of Haematology, 2013, 160, 477-486.	1.2	4
30	c.259A>C in the fibrinogen gene of alpha chain (FGA) is a fibrinogen with thrombotic phenotype . The Application of Clinical Genetics, 2019, Volume 12, 27-33.	1.4	2
31	MEDU-30. IDENTIFYING DISTINCTIVE lincRNAs IN THE DIFFERENT MEDULLOBLASTOMA SUBGROUPS. Neuro-Oncology, 2019, 21, ii109-ii109.	0.6	0