Eli Eisenberg

List of Publications by Year
in descending order

110	8,881	81743 39	46693 89
papers	citations	h-index	g-index

116	116	116	10915
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human housekeeping genes, revisited. Trends in Genetics, 2013, 29, 569-574.	2.9	1,091
2	Systematic identification of abundant A-to-I editing sites in the human transcriptome. Nature Biotechnology, 2004, 22, 1001-1005.	9.4	740
3	Human housekeeping genes are compact. Trends in Genetics, 2003, 19, 362-365.	2.9	612
4	A-to-I RNA editing occurs at over a hundred million genomic sites, located in a majority of human genes. Genome Research, 2014, 24, 365-376.	2.4	492
5	A-to-I RNA editing â€" immune protector and transcriptome diversifier. Nature Reviews Genetics, 2018, 19, 473-490.	7.7	402
6	Early exposure to cow's milk protein is protective against IgE-mediated cow's milk protein allergy. Journal of Allergy and Clinical Immunology, 2010, 126, 77-82.e1.	1.5	357
7	Altered adenosine-to-inosine RNA editing in human cancer. Genome Research, 2007, 17, 1586-1595.	2.4	292
8	Trade-off between Transcriptome Plasticity and Genome Evolution in Cephalopods. Cell, 2017, 169, 191-202.e11.	13.5	268
9	Elevated RNA Editing Activity Is a Major Contributor to Transcriptomic Diversity in Tumors. Cell Reports, 2015, 13, 267-276.	2.9	262
10	Preferential Attachment in the Protein Network Evolution. Physical Review Letters, 2003, 91, 138701.	2.9	183
11	Evolutionarily conserved human targets of adenosine to inosine RNA editing. Nucleic Acids Research, 2005, 33, 1162-1168.	6.5	177
12	RNA-editing-mediated exon evolution. Genome Biology, 2007, 8, R29.	13.9	174
13	Systematic identification of edited microRNAs in the human brain. Genome Research, 2012, 22, 1533-1540.	2.4	163
14	Adenosine-to-inosine RNA editing shapes transcriptome diversity in primates. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12174-12179.	3.3	155
15	Human cancer tissues exhibit reduced A-to-I editing of miRNAs coupled with elevated editing of their targets. Nucleic Acids Research, 2018, 46, 71-82.	6.5	138
16	Identification of recurrent regulated alternative splicing events across human solid tumors. Nucleic Acids Research, 2015, 43, 5130-5144.	6.5	137
17	RNA editing level in the mouse is determined by the genomic repeat repertoire. Rna, 2006, 12, 1802-1809.	1.6	135
18	Genome-wide quantification of ADAR adenosine-to-inosine RNA editing activity. Nature Methods, 2019, 16, 1131-1138.	9.0	126

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19	Is abundant A-to-I RNA editing primate-specific?. Trends in Genetics, 2005, 21, 77-81.	2.9	125
20	Modulation of microRNA editing, expression and processing by ADAR2 deaminase in glioblastoma. Genome Biology, 2015, 16, 5.	3.8	125
21	The majority of transcripts in the squid nervous system are extensively recoded by A-to-I RNA editing. ELife, 2015, 4, .	2.8	124
22	Reduced levels of protein recoding by A-to-I RNA editing in Alzheimer's disease. Rna, 2016, 22, 290-302.	1.6	122
23	Massive A-to-I RNA editing is common across the Metazoa and correlates with dsRNA abundance. Genome Biology, 2017, 18, 185.	3.8	118
24	Complex Diel Cycles of Gene Expression in Coral-Algal Symbiosis. Science, 2011, 331, 175-175.	6.0	112
25	Barcoding bias in high-throughput multiplex sequencing of miRNA. Genome Research, 2011, 21, 1506-1511.	2.4	107
26	Genome-wide analysis of Alu editability. Nucleic Acids Research, 2014, 42, 6876-6884.	6.5	99
27	ADAR2/miR-589-3p axis controls glioblastoma cell migration/invasion. Nucleic Acids Research, 2018, 46, 2045-2059.	6.5	99
28	Efficacy of baked milk oral immunotherapy in baked milkâ€“reactive allergic patients. Journal of Allergy and Clinical Immunology, 2015, 136, 1601-1606.	1.5	91
29	The light-induced transcriptome of the zebrafish pineal gland reveals complex regulation of the circadian clockwork by light. Nucleic Acids Research, 2014, 42, 3750-3767.	6.5	71
30	Abundant off-target edits from site-directed RNA editing can be reduced by nuclear localization of the editing enzyme. RNA Biology, 2018, 15, 104-114.	1.5	71
31	Polarization of Interacting Bosons with Spin. Physical Review Letters, 2002, 89, 220403.	2.9	69
32	Evidence for large diversity in the human transcriptome created by Alu RNA editing. Nucleic Acids Research, 2009, 37, 6905-6915.	6.5	58
33	RNA editing is abundant and correlates with task performance in a social bumblebee. Nature Communications, 2019, 10, 1605.	5.8	57
34	Letter from the editor: adenosineâ€toâ€inosine RNA editing in Alu repeats in the human genome. EMBO Reports, 2005, 6, 831-835.	2.0	51
35	Genetically Blocking the Zebrafish Pineal Clock Affects Circadian Behavior. PLoS Genetics, 2016, 12, e1006445.	1.5	51
36	Decreased bone mineral density in young adult IgE-mediated cow's milkâ€“allergic patients. Journal of Allergy and Clinical Immunology, 2014, 134, 1108-1113.e3.	1.5	49

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37	Super-Resolution Genome Mapping in Silicon Nanochannels. ACS Nano, 2016, 10, 9823-9830.	7.3	49
38	Identification of RNA editing sites in the SNP database. Nucleic Acids Research, 2005, 33, 4612-4617.	6.5	48
39	The cell line A-to-I RNA editing catalogue. Nucleic Acids Research, 2020, 48, 5849-5858.	6.5	47
40	Landscape of adenosine-to-inosine RNA recoding across human tissues. Nature Communications, 2022, 13, 1184.	5.8	46
41	A-to-I RNA Editing in the Earliest-Diverging Eumetazoan Phyla. Molecular Biology and Evolution, 2017, 34, 1890-1901.	3.5	45
42	LANGUAGE AND CODIFICATION DEPENDENCE OF LONG-RANGE CORRELATIONS IN TEXTS. Fractals, 1994, 02, 7-13.	1.8	42
43	Is there any sense in antisense editing?. Trends in Genetics, 2005, 21, 544-547.	2.9	42
44	Widespread cleavage of A-to-I hyperediting substrates. Rna, 2009, 15, 1632-1639.	1.6	41
45	Abnormalities in A-to-I RNA editing patterns in CNS injuries correlate with dynamic changes in cell type composition. Scientific Reports, 2017, 7, 43421.	1.6	40
46	Large-scale analysis of structural, sequence and thermodynamic characteristics of A-to-I RNA editing sites in human Alu repeats. BMC Genomics, 2010, 11, 453.	1.2	38
47	Systematic Identification of Rhythmic Genes Reveals camk1gb as a New Element in the Circadian Clockwork. PLoS Genetics, 2012, 8, e1003116.	1.5	37
48	Sequence based identification of RNA editing sites. RNA Biology, 2010, 7, 248-252.	1.5	35
49	Decreased A-to-I RNA editing as a source of keratinocytes' dsRNA in psoriasis. Rna, 2018, 24, 828-840.	1.6	34
50	Consistent levels of A-to-I RNA editing across individuals in coding sequences and non-conserved Alu repeats. BMC Genomics, 2010, 11, 608.	1.2	33
51	Highâ€Throughput Multiplex Sequencing of miRNA. Current Protocols in Human Genetics, 2012, 73, Unit 11.12.1-10.	3.5	32
52	Purifying selection of long dsRNA is the first line of defense against false activation of innate immunity. Genome Biology, 2020, 21, 26.	3.8	31
53	Quantifying RNA Editing in Deep Transcriptome Datasets. Frontiers in Genetics, 2020, 11, 194.	1.1	27
54	Dynamical Localization near Quantum Antiresonance: Exact Results and a Solvable Case. Physical Review Letters, 1995, 74, 686-689.	2.9	26

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55	Antiresonance and localization in quantum dynamics. Physical Review E, 1996, 54, 5948-5963.	0.8	25
56	Representation of quantum mechanical resonances in the Laxâ€“Phillips Hilbert space. Journal of Mathematical Physics, 2000, 41, 8050-8071.	0.5	23
57	Evidence for abundant transcription of non-coding regions in the Saccharomyces cerevisiae genome. BMC Genomics, 2005, 6, 93.	1.2	23
58	Dephasing Times in Closed Quantum Dots. Physical Review Letters, 2002, 88, 136801.	2.9	22
59	Adaptive Proteome Diversification by Nonsynonymous A-to-I RNA Editing in Coleoid Cephalopods. Molecular Biology and Evolution, 2021, 38, 3775-3788.	3.5	22
60	Breakdown of the Nagaoka phase in the two-dimensionaltâ^Jmodel. Physical Review B, 2002, 65, .	1.1	21
61	Trinucleotide repeats are prevalent among cancer-related genes. Trends in Genetics, 2008, 24, 14-18.	2.9	21
62	Systematic identification of A-to-I RNA editing in zebrafish development and adult organs. Nucleic Acids Research, 2021, 49, 4325-4337.	6.5	21
63	Identifying RNA Editing Sites in miRNAs by Deep Sequencing. Methods in Molecular Biology, 2013, 1038, 159-170.	0.4	21
64	Random sequential adsorption with diffusional relaxation in two dimensions. Europhysics Letters, 1998, 44, 168-172.	0.7	20
65	DREAM: a webserver for the identification of editing sites in mature miRNAs using deep sequencing data. Bioinformatics, 2015, 31, 2568-2570.	1.8	20
66	Spatially regulated editing of genetic information within a neuron. Nucleic Acids Research, 2020, 48, 3999-4012.	6.5	20
67	Fluctuations of the probability density of diffusing particles for different realizations of a random medium. Physical Review Letters, 1994, 72, 2827-2830.	2.9	19
68	Possibility of electron pairing in small metallic nanoparticles. Physical Review B, 2011, 84, .	1.1	18
69	A-to-I RNA editing in honeybees shows signals of adaptation and convergent evolution. IScience, 2021, 24, 101983.	1.9	18
70	A first-order phase transition and a super-cooled fluid in a two-dimensional lattice gas model. Europhysics Letters, 2005, 71, 900-905.	0.7	17
71	Direct Measurements of the Dynamical Correlation Length Indicate its Divergence at an Athermal Glass Transition. Physical Review Letters, 2010, 105, 225503.	2.9	17
72	Role of parental atopy in cow's milk allergy: a population-based study. Annals of Allergy, Asthma and Immunology, 2013, 110, 279-283.	0.5	17

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73	Does RNA editing compensate for Alu invasion of the primate genome?. BioEssays, 2015, 37, 175-181.	1.2	17
74	A-to-I RNA Editing Uncovers Hidden Signals of Adaptive Genome Evolution in Animals. Genome Biology and Evolution, 2020, 12, 345-357.	1.1	17
75	Proteome Diversification by RNA Editing. Methods in Molecular Biology, 2021, 2181, 229-251.	0.4	15
76	Connectivity and expression in protein networks: Proteins in a complex are uniformly expressed. Physical Review E, 2006, 73, 031909.	0.8	14
77	Dephasing time in a two-dimensional electron Fermi liquid. Physical Review B, 2006, 73, .	1.1	14
78	Global quantification exposes abundant low-level off-target activity by base editors. Genome Research, 2021, 31, 2354-2361.	2.4	14
79	Algorithmic approaches for identification of RNA editing sites. Briefings in Functional Genomics & Proteomics, 2006, 5, 43-45.	3.8	13
80	A new cis-acting regulatory element driving gene expression in the zebrafish pineal gland. Bioinformatics, 2009, 25, 559-562.	1.8	13
81	Analysis of the ordering transition of hard disks through the Mayer cluster expansion. Physical Review E, 2006, 73, 025104.	0.8	12
82	Disorder-induced spin polarization in restricted geometries. Physical Review B, 1999, 60, 15261-15265.	1.1	11
83	Coherent Electron Transport in a Si Quantum Dot Dimer. Physical Review Letters, 2002, 88, 186801.	2.9	11
84	Proteome diversification by genomic parasites. Genome Biology, 2016, 17, 17.	3.8	11
85	Analyzing long-range correlations in finite sequences. Physical Review E, 1994, 49, R1005-R1008.	0.8	10
86	Diffusional relaxation in random sequential deposition. Journal of Physics A, 1997, 30, L271-L276.	1.6	10
87	Random Matrix Theory for Closed Quantum Dots with Weak Spin-Orbit Coupling. Physical Review Letters, 2003, 90, 106802.	2.9	10
88	Ideal glass transition in a simple two-dimensional lattice model. Physical Review E, 2009, 80, 060104.	0.8	10
89	Bioinformatic Approaches for Identification of A-to-I Editing Sites. Current Topics in Microbiology and Immunology, 2011, 353, 145-162.	0.7	10
90	Range of multifractality for random walks on random fractals. Physical Review E, 1993, 47, 2333-2335.	0.8	9

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91	Toeplitz matrices within DVR formulation: Application to quantum scattering problems. Journal of Chemical Physics, 1994, 101, 3802-3805.	1.2	9
92	Efficiency of complex production in changing environment. BMC Systems Biology, 2009, 3, 3.	3.0	9
93	Suppression of chaos, quantum resonance, and statistics of a nonintegrable system. Physical Review E, 1994, 49, R941-R944.	0.8	7
94	Effect of spectral fluctuations on conductance-peak height statistics in quantum dots. Physical Review B, 2002, 66, .	1.1	7
95	Critical exponents from cluster coefficients. Physical Review E, 2009, 80, 031126.	0.8	7
96	Risk factors for reduced bone mineral density measurements in milkâ€allergic patients. Pediatric Allergy and Immunology, 2018, 29, 850-856.	1.1	7
97	Intrinsic mechanism for entropy change in classical and quantum evolution. Physical Review A, 1995, 52, 70-75.	1.0	5
98	Estimation of critical exponents from cluster coefficients and the application of this estimation to hard spheres. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5755-5758.	3.3	5
99	Super-Poissonian shot noise as a measure of dephasing in closed quantum dots. Physical Review B, 2007, 76, .	1.1	5
100	Finite-temperature liquid-quasicrystal transition in a lattice model. Physical Review E, 2011, 83, 011123.	0.8	5
101	Applications of square-integrable basis functions for scattering problems: A comparison between approaches based on Toeplitz matrices and negative imaginary potentials. Physical Review A, 1994, 49, 4549-4555.	1.0	4
102	Application of Toeplitz matrices to scattering processes. A NIP-Toeplitz approach to treating chemical reactions. Chemical Physics Letters, 1995, 244, 299-304.	1.2	4
103	The New RNA-Editing Era â€“ Ethical Considerations. Trends in Genetics, 2021, 37, 685-687.	2.9	4
104	Toeplitz matrices within discrete variable representation formulation: Application to collinear reactive scattering problems. Journal of Chemical Physics, 1996, 104, 1886-1892.	1.2	3
105	Limited sensitivity to analyticity: a manifestation of quantum chaos. Foundations of Physics, 1997, 27, 153-170.	0.6	3
106	Topological phase transition in a discrete quasicrystal. Physical Review E, 2014, 90, 012105.	0.8	3
107	Using Deep Sequencing Data for Identification of Editing Sites in Mature miRNAs. Methods in Molecular Biology, 2015, 1269, 231-242.	0.4	2
108	Protein Recoding Through RNA Editing: Detection, Function, Evolution. , 2020, , 79-98.		1

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109	A-to-I Editing of ALU Repeats. , 0, , 255-279.		0
110	P.1.a.006 Decreased A-to-I RNA editing levels in the brains of schizophrenia patients: a possible biomarker. European Neuropsychopharmacology, 2014, 24, S156.	0.3	0