# 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 | Landscape of adenosine-to-inosine RNA recoding across human tissues. Nature Communications, 2022, 13, 1184. | 5.8 | 46 |
| 2 | A-to-I RNA editing in honeybees shows signals of adaptation and convergent evolution. IScience, 2021, 24, 101983. | 1.9 | 18 |
| 3 | Systematic identification of A-to-I RNA editing in zebrafish development and adult organs. Nucleic Acids Research, 2021, 49, 4325-4337. | 6.5 | 21 |
| 4 | Adaptive Proteome Diversification by Nonsynonymous A-to-I RNA Editing in Coleoid Cephalopods. Molecular Biology and Evolution, 2021, 38, 3775-3788. | 3.5 | 22 |
| 5 | The New RNA-Editing Era â€“ Ethical Considerations. Trends in Genetics, 2021, 37, 685-687. | 2.9 | 4 |
| 6 | Global quantification exposes abundant low-level off-target activity by base editors. Genome Research, 2021, 31, 2354-2361. | 2.4 | 14 |
| 7 | Proteome Diversification by RNA Editing. Methods in Molecular Biology, 2021, 2181, 229-251. | 0.4 | 15 |
| 8 | The cell line A-to-I RNA editing catalogue. Nucleic Acids Research, 2020, 48, 5849-5858. | 6.5 | 47 |
| 9 | 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 |
| 10 | Spatially regulated editing of genetic information within a neuron. Nucleic Acids Research, 2020, 48, 3999-4012. | 6.5 | 20 |
| 11 | Quantifying RNA Editing in Deep Transcriptome Datasets. Frontiers in Genetics, 2020, 11, 194. | 1.1 | 27 |
| 12 | 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 |
| 13 | Protein Recoding Through RNA Editing: Detection, Function, Evolution. , 2020, , 79-98. | | 1 |
| 14 | Genome-wide quantification of ADAR adenosine-to-inosine RNA editing activity. Nature Methods, 2019, 16, 1131-1138. | 9.0 | 126 |
| 15 | RNA editing is abundant and correlates with task performance in a social bumblebee. Nature Communications, 2019, 10, 1605. | 5.8 | 57 |
| 16 | A-to-I RNA editing â€" immune protector and transcriptome diversifier. Nature Reviews Genetics, 2018, 19, 473-490. | 7.7 | 402 |
| 17 | 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 |
| 18 | ADAR2/miR-589-3p axis controls glioblastoma cell migration/invasion. Nucleic Acids Research, 2018, 46, 2045-2059. | 6.5 | 99 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Decreased A-to-I RNA editing as a source of keratinocytes' dsRNA in psoriasis. Rna, 2018, 24, 828-840. | 1.6 | 34 |
| 20 | 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 |
| 21 | Risk factors for reduced bone mineral density measurements in milkâ€allergic patients. Pediatric Allergy and Immunology, 2018, 29, 850-856. | 1.1 | 7 |
| 22 | 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 |
| 23 | A-to-I RNA Editing in the Earliest-Diverging Eumetazoan Phyla. Molecular Biology and Evolution, 2017, 34, 1890-1901. | 3.5 | 45 |
| 24 | Trade-off between Transcriptome Plasticity and Genome Evolution in Cephalopods. Cell, 2017, 169, 191-202.e11. | 13.5 | 268 |
| 25 | Massive A-to-I RNA editing is common across the Metazoa and correlates with dsRNA abundance. Genome Biology, 2017, 18, 185. | 3.8 | 118 |
| 26 | Super-Resolution Genome Mapping in Silicon Nanochannels. ACS Nano, 2016, 10, 9823-9830. | 7.3 | 49 |
| 27 | Proteome diversification by genomic parasites. Genome Biology, 2016, 17, 17. | 3.8 | 11 |
| 28 | Reduced levels of protein recoding by A-to-I RNA editing in Alzheimer's disease. Rna, 2016, 22, 290-302. | 1.6 | 122 |
| 29 | Genetically Blocking the Zebrafish Pineal Clock Affects Circadian Behavior. PLoS Genetics, 2016, 12, e1006445. | 1.5 | 51 |
| 30 | The majority of transcripts in the squid nervous system are extensively recoded by A-to-I RNA editing. ELife, 2015, 4, . | 2.8 | 124 |
| 31 | Elevated RNA Editing Activity Is a Major Contributor to Transcriptomic Diversity in Tumors. Cell Reports, 2015, 13, 267-276. | 2.9 | 262 |
| 32 | Does RNA editing compensate for Alu invasion of the primate genome?. BioEssays, 2015, 37, 175-181. | 1.2 | 17 |
| 33 | 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 |
| 34 | Modulation of microRNA editing, expression and processing by ADAR2 deaminase in glioblastoma. Genome Biology, 2015, 16, 5. | 3.8 | 125 |
| 35 | DREAM: a webserver for the identification of editing sites in mature miRNAs using deep sequencing data. Bioinformatics, 2015, 31, 2568-2570. | 1.8 | 20 |
| 36 | Identification of recurrent regulated alternative splicing events across human solid tumors. Nucleic Acids Research, 2015, 43, 5130-5144. | 6.5 | 137 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Using Deep Sequencing Data for Identification of Editing Sites in Mature miRNAs. Methods in Molecular Biology, 2015, 1269, 231-242. | 0.4 | 2 |
| 38 | 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 |
| 39 | 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 |
| 40 | Genome-wide analysis of Alu editability. Nucleic Acids Research, 2014, 42, 6876-6884. | 6.5 | 99 |
| 41 | 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 |
| 42 | 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 |
| 43 | Topological phase transition in a discrete quasicrystal. Physical Review E, 2014, 90, 012105. | 0.8 | 3 |
| 44 | Human housekeeping genes, revisited. Trends in Genetics, 2013, 29, 569-574. | 2.9 | 1,091 |
| 45 | 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 |
| 46 | Identifying RNA Editing Sites in miRNAs by Deep Sequencing. Methods in Molecular Biology, 2013, 1038, 159-170. | 0.4 | 21 |
| 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 | Systematic identification of edited microRNAs in the human brain. Genome Research, 2012, 22, 1533-1540. | 2.4 | 163 |
| 49 | Highâ€Throughput Multiplex Sequencing of miRNA. Current Protocols in Human Genetics, 2012, 73, Unit 11.12.1-10. | 3.5 | 32 |
| 50 | Complex Diel Cycles of Gene Expression in Coral-Algal Symbiosis. Science, 2011, 331, 175-175. | 6.0 | 112 |
| 51 | Finite-temperature liquid-quasicrystal transition in a lattice model. Physical Review E, 2011, 83, 011123. | 0.8 | 5 |
| 52 | Possibility of electron pairing in small metallic nanoparticles. Physical Review B, 2011, 84, . | 1.1 | 18 |
| 53 | Bioinformatic Approaches for Identification of A-to-I Editing Sites. Current Topics in Microbiology and Immunology, 2011, 353, 145-162. | 0.7 | 10 |
| 54 | Barcoding bias in high-throughput multiplex sequencing of miRNA. Genome Research, 2011, 21, 1506-1511. | 2.4 | 107 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | 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 |
| 56 | 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 |
| 57 | Direct Measurements of the Dynamical Correlation Length Indicate its Divergence at an Athermal Glass Transition. Physical Review Letters, 2010, 105, 225503. | 2.9 | 17 |
| 58 | 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 |
| 59 | Sequence based identification of RNA editing sites. RNA Biology, 2010, 7, 248-252. | 1.5 | 35 |
| 60 | 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 |
| 61 | Critical exponents from cluster coefficients. Physical Review E, 2009, 80, 031126. | 0.8 | 7 |
| 62 | Ideal glass transition in a simple two-dimensional lattice model. Physical Review E, 2009, 80, 060104. | 0.8 | 10 |
| 63 | Widespread cleavage of A-to-I hyperediting substrates. Rna, 2009, 15, 1632-1639. | 1.6 | 41 |
| 64 | Evidence for large diversity in the human transcriptome created by Alu RNA editing. Nucleic Acids Research, 2009, 37, 6905-6915. | 6.5 | 58 |
| 65 | A new cis-acting regulatory element driving gene expression in the zebrafish pineal gland. Bioinformatics, 2009, 25, 559-562. | 1.8 | 13 |
| 66 | Efficiency of complex production in changing environment. BMC Systems Biology, 2009, 3, 3. | 3.0 | 9 |
| 67 | Trinucleotide repeats are prevalent among cancer-related genes. Trends in Genetics, 2008, 24, 14-18. | 2.9 | 21 |
| 68 | 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 |
| 69 | Super-Poissonian shot noise as a measure of dephasing in closed quantum dots. Physical Review B, 2007, 76, . | 1.1 | 5 |
| 70 | Altered adenosine-to-inosine RNA editing in human cancer. Genome Research, 2007, 17, 1586-1595. | 2.4 | 292 |
| 71 | RNA-editing-mediated exon evolution. Genome Biology, 2007, 8, R29. | 13.9 | 174 |
| 72 | Analysis of the ordering transition of hard disks through the Mayer cluster expansion. Physical Review E, 2006, 73, 025104. | 0.8 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | RNA editing level in the mouse is determined by the genomic repeat repertoire. Rna, 2006, 12, 1802-1809. | 1.6 | 135 |
| 74 | Algorithmic approaches for identification of RNA editing sites. Briefings in Functional Genomics & Proteomics, 2006, 5, 43-45. | 3.8 | 13 |
| 75 | Connectivity and expression in protein networks: Proteins in a complex are uniformly expressed. Physical Review E, 2006, 73, 031909. | 0.8 | 14 |
| 76 | Dephasing time in a two-dimensional electron Fermi liquid. Physical Review B, 2006, 73, . | 1.1 | 14 |
| 77 | 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 |
| 78 | Is abundant A-to-I RNA editing primate-specific?. Trends in Genetics, 2005, 21, 77-81. | 2.9 | 125 |
| 79 | Is there any sense in antisense editing?. Trends in Genetics, 2005, 21, 544-547. | 2.9 | 42 |
| 80 | Evidence for abundant transcription of non-coding regions in the Saccharomyces cerevisiae genome. BMC Genomics, 2005, 6, 93. | 1.2 | 23 |
| 81 | 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 |
| 82 | Identification of RNA editing sites in the SNP database. Nucleic Acids Research, 2005, 33, 4612-4617. | 6.5 | 48 |
| 83 | Evolutionarily conserved human targets of adenosine to inosine RNA editing. Nucleic Acids Research, 2005, 33, 1162-1168. | 6.5 | 177 |
| 84 | Systematic identification of abundant A-to-I editing sites in the human transcriptome. Nature Biotechnology, 2004, 22, 1001-1005. | 9.4 | 740 |
| 85 | Human housekeeping genes are compact. Trends in Genetics, 2003, 19, 362-365. | 2.9 | 612 |
| 86 | Preferential Attachment in the Protein Network Evolution. Physical Review Letters, 2003, 91, 138701. | 2.9 | 183 |
| 87 | Random Matrix Theory for Closed Quantum Dots with Weak Spin-Orbit Coupling. Physical Review Letters, 2003, 90, 106802. | 2.9 | 10 |
| 88 | Polarization of Interacting Bosons with Spin. Physical Review Letters, 2002, 89, 220403. | 2.9 | 69 |
| 89 | Dephasing Times in Closed Quantum Dots. Physical Review Letters, 2002, 88, 136801. | 2.9 | 22 |
| 90 | Breakdown of the Nagaoka phase in the two-dimensionaltâˆ’Jmodel. Physical Review B, 2002, 65, . | 1.1 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Effect of spectral fluctuations on conductance-peak height statistics in quantum dots. Physical Review B, 2002, 66, . | 1.1 | 7 |
| 92 | Coherent Electron Transport in a Si Quantum Dot Dimer. Physical Review Letters, 2002, 88, 186801. | 2.9 | 11 |
| 93 | Representation of quantum mechanical resonances in the Laxâ€“Phillips Hilbert space. Journal of Mathematical Physics, 2000, 41, 8050-8071. | 0.5 | 23 |
| 94 | Disorder-induced spin polarization in restricted geometries. Physical Review B, 1999, 60, 15261-15265. | 1.1 | 11 |
| 95 | Random sequential adsorption with diffusional relaxation in two dimensions. Europhysics Letters, 1998, 44, 168-172. | 0.7 | 20 |
| 96 | Diffusional relaxation in random sequential deposition. Journal of Physics A, 1997, 30, L271-L276. | 1.6 | 10 |
| 97 | Limited sensitivity to analyticity: a manifestation of quantum chaos. Foundations of Physics, 1997, 27, 153-170. | 0.6 | 3 |
| 98 | Toeplitz matrices within discrete variable representation formulation: Application to collinear reactive scattering problems. Journal of Chemical Physics, 1996, 104, 1886-1892. | 1.2 | 3 |
| 99 | Antiresonance and localization in quantum dynamics. Physical Review E, 1996, 54, 5948-5963. | 0.8 | 25 |
| 100 | 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 |
| 101 | Intrinsic mechanism for entropy change in classical and quantum evolution. Physical Review A, 1995, 52, 70-75. | 1.0 | 5 |
| 102 | Dynamical Localization near Quantum Antiresonance: Exact Results and a Solvable Case. Physical Review Letters, 1995, 74, 686-689. | 2.9 | 26 |
| 103 | LANGUAGE AND CODIFICATION DEPENDENCE OF LONG-RANGE CORRELATIONS IN TEXTS. Fractals, 1994, 02, 7-13. | 1.8 | 42 |
| 104 | Suppression of chaos, quantum resonance, and statistics of a nonintegrable system. Physical Review E, 1994, 49, R941-R944. | 0.8 | 7 |
| 105 | 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 |
| 106 | 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 |
| 107 | Analyzing long-range correlations in finite sequences. Physical Review E, 1994, 49, R1005-R1008. | 0.8 | 10 |
| 108 | Toeplitz matrices within DVR formulation: Application to quantum scattering problems. Journal of Chemical Physics, 1994, 101, 3802-3805. | 1.2 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Range of multifractality for random walks on random fractals. Physical Review E, 1993, 47, 2333-2335. | 0.8 | 9 |
| 110 | A-to-I Editing of ALU Repeats. , 0, , 255-279. | | 0 |