

Steven E Brenner

List of Publications by Year in descending order

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Version: 2024-02-01

159
papers

45,724
citations

17405

63
h-index

8599

146
g-index

181
all docs

181
docs citations

181
times ranked

51198
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | WebLogo: A Sequence Logo Generator. <i>Genome Research</i> , 2004, 14, 1188-1190. | 2.4 | 10,751 |
| 2 | SCOP: a structural classification of proteins database for the investigation of sequences and structures. <i>Journal of Molecular Biology</i> , 1995, 247, 536-540. | 2.0 | 5,400 |
| 3 | SCOP: A structural classification of proteins database for the investigation of sequences and structures. <i>Journal of Molecular Biology</i> , 1995, 247, 536-540. | 2.0 | 3,952 |
| 4 | The Transcriptional Landscape of the Mammalian Genome. <i>Science</i> , 2005, 309, 1559-1563. | 6.0 | 3,227 |
| 5 | The Bioperl Toolkit: Perl Modules for the Life Sciences. <i>Genome Research</i> , 2002, 12, 1611-1618. | 2.4 | 1,427 |
| 6 | The developmental transcriptome of <i>Drosophila melanogaster</i> . <i>Nature</i> , 2011, 471, 473-479. | 13.7 | 1,379 |
| 7 | Identification of Functional Elements and Regulatory Circuits by <i>Drosophila</i> modENCODE. <i>Science</i> , 2010, 330, 1787-1797. | 6.0 | 1,124 |
| 8 | KBase: The United States Department of Energy Systems Biology Knowledgebase. <i>Nature Biotechnology</i> , 2018, 36, 566-569. | 9.4 | 955 |
| 9 | Evidence for the widespread coupling of alternative splicing and nonsense-mediated mRNA decay in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 189-192. | 3.3 | 920 |
| 10 | Data growth and its impact on the SCOP database: new developments. <i>Nucleic Acids Research</i> , 2007, 36, D419-D425. | 6.5 | 854 |
| 11 | SCOP database in 2004: refinements integrate structure and sequence family data. <i>Nucleic Acids Research</i> , 2004, 32, 226D-229. | 6.5 | 815 |
| 12 | A large-scale evaluation of computational protein function prediction. <i>Nature Methods</i> , 2013, 10, 221-227. | 9.0 | 789 |
| 13 | Unlocking the secrets of the genome. <i>Nature</i> , 2009, 459, 927-930. | 13.7 | 744 |
| 14 | The Sorcerer II Global Ocean Sampling Expedition: Expanding the Universe of Protein Families. <i>PLoS Biology</i> , 2007, 5, e16. | 2.6 | 736 |
| 15 | SCOPe: Structural Classification of Proteinsâ€™ extended, integrating SCOP and ASTRAL data and classification of new structures. <i>Nucleic Acids Research</i> , 2014, 42, D304-D309. | 6.5 | 627 |
| 16 | Unproductive splicing of SR genes associated with highly conserved and ultraconserved DNA elements. <i>Nature</i> , 2007, 446, 926-929. | 13.7 | 593 |
| 17 | Biases in Illumina transcriptome sequencing caused by random hexamer priming. <i>Nucleic Acids Research</i> , 2010, 38, e131-e131. | 6.5 | 573 |
| 18 | SCOP: a Structural Classification of Proteins database. <i>Nucleic Acids Research</i> , 2000, 28, 257-259. | 6.5 | 533 |

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|----|---|------|-----------|
| 19 | Assessing sequence comparison methods with reliable structurally identified distant evolutionary relationships. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6073-6078. | 3.3 | 493 |
| 20 | The ASTRAL Compendium in 2004. Nucleic Acids Research, 2004, 32, 189D-192. | 6.5 | 480 |
| 21 | The ASTRAL compendium for protein structure and sequence analysis. Nucleic Acids Research, 2000, 28, 254-256. | 6.5 | 432 |
| 22 | SCOP database in 2002: refinements accommodate structural genomics. Nucleic Acids Research, 2002, 30, 264-267. | 6.5 | 403 |
| 23 | The Impact of Structural Genomics: Expectations and Outcomes. Science, 2006, 311, 347-351. | 6.0 | 366 |
| 24 | Errors in genome annotation. Trends in Genetics, 1999, 15, 132-133. | 2.9 | 335 |
| 25 | Selection of primers for optimal taxonomic classification of environmental 16S rRNA gene sequences. ISME Journal, 2012, 6, 1440-1444. | 4.4 | 326 |
| 26 | An expanded evaluation of protein function prediction methods shows an improvement in accuracy. Genome Biology, 2016, 17, 184. | 3.8 | 308 |
| 27 | The evolving roles of alternative splicing. Current Opinion in Structural Biology, 2004, 14, 273-282. | 2.6 | 304 |
| 28 | Comparative analysis of the transcriptome across distant species. Nature, 2014, 512, 445-448. | 13.7 | 289 |
| 29 | The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. Genome Biology, 2019, 20, 244. | 3.8 | 261 |
| 30 | SCOP: a Structural Classification of Proteins database. Nucleic Acids Research, 1999, 27, 254-256. | 6.5 | 208 |
| 31 | Conservation of an RNA regulatory map between <i>Drosophila</i> and mammals. Genome Research, 2011, 21, 193-202. | 2.4 | 208 |
| 32 | The Coupling of Alternative Splicing and Nonsense-Mediated mRNA Decay. Advances in Experimental Medicine and Biology, 2007, 623, 190-211. | 0.8 | 202 |
| 33 | RNA structural motifs: building blocks of a modular biomolecule. Quarterly Reviews of Biophysics, 2005, 38, 221-243. | 2.4 | 184 |
| 34 | Comparative analysis of regulatory information and circuits across distant species. Nature, 2014, 512, 453-456. | 13.7 | 184 |
| 35 | Newborn Sequencing in Genomic Medicine and Public Health. Pediatrics, 2017, 139, . | 1.0 | 174 |
| 36 | Population statistics of protein structures: lessons from structural classifications. Current Opinion in Structural Biology, 1997, 7, 369-376. | 2.6 | 173 |

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|----|---|------|-----------|
| 37 | Protein Molecular Function Prediction by Bayesian Phylogenomics. PLoS Computational Biology, 2005, 1, e45. | 1.5 | 162 |
| 38 | An unappreciated role for RNA surveillance. Genome Biology, 2004, 5, R8. | 13.9 | 159 |
| 39 | Widespread predicted nonsense-mediated mRNA decay of alternatively-spliced transcripts of human normal and disease genes. Bioinformatics, 2003, 19, i118-i121. | 1.8 | 155 |
| 40 | A tour of structural genomics. Nature Reviews Genetics, 2001, 2, 801-809. | 7.7 | 152 |
| 41 | Regulation of Splicing Factors by Alternative Splicing and NMD Is Conserved between Kingdoms Yet Evolutionarily Flexible. Molecular Biology and Evolution, 2015, 32, 1072-1079. | 3.5 | 143 |
| 42 | SCOPe: classification of large macromolecular structures in the structural classification of proteins extended database. Nucleic Acids Research, 2019, 47, D475-D481. | 6.5 | 122 |
| 43 | ASTRAL compendium enhancements. Nucleic Acids Research, 2002, 30, 260-263. | 6.5 | 117 |
| 44 | The role of exome sequencing in newborn screening for inborn errors of metabolism. Nature Medicine, 2020, 26, 1392-1397. | 15.2 | 112 |
| 45 | Sulfotransferases and Sulfatases in Mycobacteria. Chemistry and Biology, 2002, 9, 767-776. | 6.2 | 109 |
| 46 | Target selection for structural genomics. , 2000, 7, 967-969. | | 108 |
| 47 | Global analysis of positive and negative pre-mRNA splicing regulators in Drosophila. Genes and Development, 2005, 19, 1306-1314. | 2.7 | 106 |
| 48 | Multisystem Anomalies in Severe Combined Immunodeficiency with Mutant <i>BCL11B</i> . New England Journal of Medicine, 2016, 375, 2165-2176. | 13.9 | 104 |
| 49 | SCOR: a Structural Classification of RNA database. Nucleic Acids Research, 2002, 30, 392-394. | 6.5 | 103 |
| 50 | Expectations from structural genomics. Protein Science, 2000, 9, 197-200. | 3.1 | 99 |
| 51 | SCOR: Structural Classification of RNA, version 2.0. Nucleic Acids Research, 2004, 32, 182D-184. | 6.5 | 98 |
| 52 | Association of gut microbiota with post-operative clinical course in Crohn's disease. BMC Gastroenterology, 2013, 13, 131. | 0.8 | 95 |
| 53 | Combined Immunodeficiency Due to MALT1 Mutations, Treated by Hematopoietic Cell Transplantation. Journal of Clinical Immunology, 2015, 35, 135-146. | 2.0 | 94 |
| 54 | Newborn Screening for SCID Identifies Patients with Ataxia Telangiectasia. Journal of Clinical Immunology, 2013, 33, 540-549. | 2.0 | 92 |

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|----|--|------|-----------|
| 55 | Comparison of <i>D. melanogaster</i> and <i>C. elegans</i> developmental stages, tissues, and cells by modENCODE RNA-seq data. <i>Genome Research</i> , 2014, 24, 1086-1101. | 2.4 | 88 |
| 56 | Genome-Wide Identification of Alternative Splice Forms Down-Regulated by Nonsense-Mediated mRNA Decay in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2009, 5, e1000525. | 1.5 | 87 |
| 57 | SCOPe: Manual Curation and Artifact Removal in the Structural Classification of Proteins – extended Database. <i>Journal of Molecular Biology</i> , 2017, 429, 348-355. | 2.0 | 85 |
| 58 | A novel human autoimmune syndrome caused by combined hypomorphic and activating mutations in ZAP-70. <i>Journal of Experimental Medicine</i> , 2016, 213, 155-165. | 4.2 | 83 |
| 59 | Gene duplications in <i>H. influenzae</i> . <i>Nature</i> , 1995, 378, 140-140. | 13.7 | 82 |
| 60 | [37] Understanding protein structure: Using scop for fold interpretation. <i>Methods in Enzymology</i> , 1996, 266, 635-643. | 0.4 | 80 |
| 61 | Genome-wide Analysis of Alternative Pre-mRNA Splicing and RNA-Binding Specificities of the <i>Drosophila</i> hnRNP A/B Family Members. <i>Molecular Cell</i> , 2009, 33, 438-449. | 4.5 | 79 |
| 62 | DNA recognition code of transcription factors. <i>Protein Engineering, Design and Selection</i> , 1995, 8, 319-328. | 1.0 | 78 |
| 63 | Regulation of alternative splicing in <i>Drosophila</i> by 56 RNA binding proteins. <i>Genome Research</i> , 2015, 25, 1771-1780. | 2.4 | 77 |
| 64 | Protein secondary structure: entropy, correlations and prediction. <i>Bioinformatics</i> , 2004, 20, 1603-1611. | 1.8 | 71 |
| 65 | MeRNA: a database of metal ion binding sites in RNA structures. <i>Nucleic Acids Research</i> , 2006, 34, D131-D134. | 6.5 | 67 |
| 66 | Implications of structural genomics target selection strategies: Pfam5000, whole genome, and random approaches. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 166-179. | 1.5 | 61 |
| 67 | Three-dimensional motifs from the SCOR, structural classification of RNA database: extruded strands, base triples, tetraloops and U-turns. <i>Nucleic Acids Research</i> , 2004, 32, 2342-2352. | 6.5 | 60 |
| 68 | The RNA Ontology Consortium: An open invitation to the RNA community. <i>Rna</i> , 2006, 12, 533-541. | 1.6 | 59 |
| 69 | SCOPe: improvements to the structural classification of proteins – extended database to facilitate variant interpretation and machine learning. <i>Nucleic Acids Research</i> , 2022, 50, D553-D559. | 6.5 | 59 |
| 70 | Genome-Wide Analysis Reveals an Unexpected Function for the <i>Drosophila</i> Splicing Factor U2AF50 in the Nuclear Export of Intronless mRNAs. <i>Molecular Cell</i> , 2004, 14, 775-786. | 4.5 | 56 |
| 71 | Genome-scale phylogenetic function annotation of large and diverse protein families. <i>Genome Research</i> , 2011, 21, 1969-1980. | 2.4 | 54 |
| 72 | The COMBREX Project: Design, Methodology, and Initial Results. <i>PLoS Biology</i> , 2013, 11, e1001638. | 2.6 | 54 |

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|----|---|-----|-----------|
| 73 | The evolution of function within the Nudix homology clan. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 775-811. | 1.5 | 53 |
| 74 | The PRESAGE database for structural genomics. <i>Nucleic Acids Research</i> , 1999, 27, 251-253. | 6.5 | 48 |
| 75 | A method for the alignment of heterogeneous macromolecules from electron microscopy. <i>Journal of Structural Biology</i> , 2009, 166, 67-78. | 1.3 | 40 |
| 76 | Opportunities and challenges for the computational interpretation of rare variation in clinically important genes. <i>American Journal of Human Genetics</i> , 2021, 108, 535-548. | 2.6 | 40 |
| 77 | Measurements of protein sequence-structure correlations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 804-810. | 1.5 | 39 |
| 78 | SIFTER search: a web server for accurate phylogeny-based protein function prediction. <i>Nucleic Acids Research</i> , 2015, 43, W141-W147. | 6.5 | 39 |
| 79 | Working toward precision medicine: Predicting phenotypes from exomes in the Critical Assessment of Genome Interpretation (CAGI) challenges. <i>Human Mutation</i> , 2017, 38, 1182-1192. | 1.1 | 39 |
| 80 | Reports from CAGI: The Critical Assessment of Genome Interpretation. <i>Human Mutation</i> , 2017, 38, 1039-1041. | 1.1 | 38 |
| 81 | The value of protein structure classification information—Surveying the scientific literature. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 2025-2038. | 1.5 | 37 |
| 82 | Automated multi-model reconstruction from single-particle electron microscopy data. <i>Journal of Structural Biology</i> , 2010, 170, 98-108. | 1.3 | 34 |
| 83 | Nijmegen Breakage Syndrome Detected by Newborn Screening for T Cell Receptor Excision Circles (TRECs). <i>Journal of Clinical Immunology</i> , 2015, 35, 227-233. | 2.0 | 34 |
| 84 | Registered access: authorizing data access. <i>European Journal of Human Genetics</i> , 2018, 26, 1721-1731. | 1.4 | 33 |
| 85 | SCOP, Structural Classification of Proteins Database: Applications to Evaluation of the Effectiveness of Sequence Alignment Methods and Statistics of Protein Structural Data. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998, 54, 1147-1154. | 2.5 | 31 |
| 86 | Classification of multi-helical DNA-binding domains and application to predict the DBD structures of <i>Œ</i> f factor, LysR, OmpR/PhoB, CENP-B, Rap1, and XylS/Ada/AraC. <i>FEBS Letters</i> , 1995, 372, 215-221. | 1.3 | 30 |
| 87 | A generalized affine gap model significantly improves protein sequence alignment accuracy. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 329-338. | 1.5 | 29 |
| 88 | Structural Genomics of Minimal Organisms and Protein Fold Space. <i>Journal of Structural and Functional Genomics</i> , 2005, 6, 63-70. | 1.2 | 29 |
| 89 | Survey of large protein complexes in <i>D. vulgaris</i> reveals great structural diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16580-16585. | 3.3 | 29 |
| 90 | StrVCTVRE: A supervised learning method to predict the pathogenicity of human genome structural variants. <i>American Journal of Human Genetics</i> , 2022, 109, 195-209. | 2.6 | 29 |

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|-----|---|------|-----------|
| 91 | Target selection and deselection at the Berkeley Structural Genomics Center. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 62, 356-370. | 1.5 | 27 |
| 92 | Common sense for our genomes. <i>Nature</i> , 2007, 449, 783-784. | 13.7 | 27 |
| 93 | Structural Studies of the Nudix Hydrolase DR1025 From <i>Deinococcus radiodurans</i> and its Ligand Complexes. <i>Journal of Molecular Biology</i> , 2004, 339, 103-116. | 2.0 | 25 |
| 94 | Multiple breast cancer risk variants are associated with differential transcript isoform expression in tumors. <i>Human Molecular Genetics</i> , 2015, 24, 7421-7431. | 1.4 | 24 |
| 95 | VIPdb, a genetic Variant Impact Predictor Database. <i>Human Mutation</i> , 2019, 40, 1202-1214. | 1.1 | 24 |
| 96 | Be prepared for the big genome leak. <i>Nature</i> , 2013, 498, 139-139. | 13.7 | 24 |
| 97 | Statistical evaluation of pairwise protein sequence comparison with the Bayesian bootstrap. <i>Bioinformatics</i> , 2005, 21, 3824-3831. | 1.8 | 22 |
| 98 | High-throughput Isolation and Characterization of Untagged Membrane Protein Complexes: Outer Membrane Complexes of <i>Desulfovibrio vulgaris</i> . <i>Journal of Proteome Research</i> , 2012, 11, 5720-5735. | 1.8 | 22 |
| 99 | Application of full-genome analysis to diagnose rare monogenic disorders. <i>Npj Genomic Medicine</i> , 2021, 6, 77. | 1.7 | 22 |
| 100 | Putting benchmarks in their rightful place: The heart of computational biology. <i>PLoS Computational Biology</i> , 2018, 14, e1006494. | 1.5 | 20 |
| 101 | Using metabolic pathway databases for functional annotation. <i>Trends in Genetics</i> , 1998, 14, 332-333. | 2.9 | 19 |
| 102 | An alternative model of amino acid replacement. <i>Bioinformatics</i> , 2005, 21, 975-980. | 1.8 | 19 |
| 103 | Bacterial Interactomes: Interacting Protein Partners Share Similar Function and Are Validated in Independent Assays More Frequently Than Previously Reported. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1539-1555. | 2.5 | 16 |
| 104 | Evaluating the predictions of the protein stability change upon single amino acid substitutions for the FXN CAG15 challenge. <i>Human Mutation</i> , 2019, 40, 1392-1399. | 1.1 | 16 |
| 105 | Identification and experimental validation of splicing regulatory elements in <i>Drosophila melanogaster</i> reveals functionally conserved splicing enhancers in metazoans. <i>Rna</i> , 2011, 17, 1884-1894. | 1.6 | 14 |
| 106 | Matching phenotypes to whole genomes: Lessons learned from four iterations of the personal genome project community challenges. <i>Human Mutation</i> , 2017, 38, 1266-1276. | 1.1 | 14 |
| 107 | A novel plant enzyme with dual activity: an atypical Nudix hydrolase and a dipeptidyl peptidase III. <i>Biological Chemistry</i> , 2017, 398, 101-112. | 1.2 | 14 |
| 108 | Pairwise alignment incorporating dipeptide covariation. <i>Bioinformatics</i> , 2005, 21, 3704-3710. | 1.8 | 13 |

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|-----|---|------|-----------|
| 109 | PERSONALIZED MEDICINE: FROM GENOTYPES, MOLECULAR PHENOTYPES AND THE QUANTIFIED SELF, TOWARDS IMPROVED MEDICINE. , 2014, , . | | 13 |
| 110 | Performance of in silico tools for the evaluation of p16INK4a (CDKN2A) variants in CAGI. Human Mutation, 2017, 38, 1042-1050. | 1.1 | 13 |
| 111 | Blast, blitz, blocks and beauty; sequence comparison on the net. Trends in Genetics, 1995, 11, 330-331. | 2.9 | 12 |
| 112 | Phylogenetic molecular function annotation. Journal of Physics: Conference Series, 2009, 180, 012024. | 0.3 | 12 |
| 113 | Quantitative Tagless Copurification: A Method to Validate and Identify Protein-Protein Interactions. Molecular and Cellular Proteomics, 2016, 15, 2186-2202. | 2.5 | 12 |
| 114 | A quantitative methodology for the de novo design of proteins. Protein Science, 1994, 3, 1871-1882. | 3.1 | 11 |
| 115 | Alignment-free local structural search by writhe decomposition. Bioinformatics, 2010, 26, 1176-1184. | 1.8 | 11 |
| 116 | Assessment of patient clinical descriptions and pathogenic variants from gene panel sequences in the CAGI intellectual disability challenge. Human Mutation, 2019, 40, 1330-1345. | 1.1 | 11 |
| 117 | An SF1 affinity model to identify branch point sequences in human introns. Nucleic Acids Research, 2011, 39, 2344-2356. | 6.5 | 10 |
| 118 | Substrate specificity characterization for eight putative nudix hydrolases. Evaluation of criteria for substrate identification within the Nudix family. Proteins: Structure, Function and Bioinformatics, 2016, 84, 1810-1822. | 1.5 | 10 |
| 119 | CAGI SickKids challenges: Assessment of phenotype and variant predictions derived from clinical and genomic data of children with undiagnosed diseases. Human Mutation, 2019, 40, 1373-1391. | 1.1 | 10 |
| 120 | Assessment of predicted enzymatic activity of N-acetylglucosaminidase variants of unknown significance for CAGI 2016. Human Mutation, 2019, 40, 1519-1529. | 1.1 | 10 |
| 121 | Predicting venous thromboembolism risk from exomes in the Critical Assessment of Genome Interpretation (CAGI) challenges. Human Mutation, 2019, 40, 1314-1320. | 1.1 | 10 |
| 122 | Newborn screening for neurodevelopmental diseases: Are we there yet?. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2022, 190, 222-230. | 0.7 | 10 |
| 123 | A novel PRRT2 pathogenic variant in a family with paroxysmal kinesigenic dyskinesia and benign familial infantile seizures. Journal of Physical Education and Sports Management, 2018, 4, a002287. | 0.5 | 9 |
| 124 | Genomic Analysis of Historical Cases with Positive Newborn Screens for Short-Chain Acyl-CoA Dehydrogenase Deficiency Shows That a Validated Second-Tier Biochemical Test Can Replace Future Sequencing. International Journal of Neonatal Screening, 2020, 6, 41. | 1.2 | 9 |
| 125 | Structural genomics and structural biology: compare and contrast. Genome Biology, 2004, 5, 343. | 13.9 | 8 |
| 126 | Performance of computational methods for the evaluation of pericentriolar material 1 missense variants in CAGI. Human Mutation, 2019, 40, 1474-1485. | 1.1 | 8 |

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|-----|--|-----|-----------|
| 127 | Assessing the performance of in silico methods for predicting the pathogenicity of variants in the gene CHEK2, among Hispanic females with breast cancer. <i>Human Mutation</i> , 2019, 40, 1612-1622. | 1.1 | 8 |
| 128 | Revealing molecular pathways for cancer cell fitness through a genetic screen of the cancer transcriptome. <i>Cell Reports</i> , 2021, 35, 109321. | 2.9 | 8 |
| 129 | A graphical model for predicting protein molecular function. , 2006, , . | | 7 |
| 130 | PLoS Computational Biology: A New Community Journal. <i>PLoS Computational Biology</i> , 2005, 1, e4. | 1.5 | 7 |
| 131 | Molecular function prediction for a family exhibiting evolutionary tendencies toward substrate specificity swapping: Recurrence of tyrosine aminotransferase activity in the β subfamily. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 1593-1609. | 1.5 | 6 |
| 132 | FDA oversight of NSIGHT genomic research: the need for an integrated systems approach to regulation. <i>Npj Genomic Medicine</i> , 2019, 4, 32. | 1.7 | 6 |
| 133 | Assessing computational predictions of the phenotypic effect of cystathionine- β -synthase variants. <i>Human Mutation</i> , 2019, 40, 1530-1545. | 1.1 | 5 |
| 134 | A continuous fluorescence assay for the characterization of Nudix hydrolases. <i>Analytical Biochemistry</i> , 2013, 437, 178-184. | 1.1 | 4 |
| 135 | Automated particle correspondence and accurate tilt-axis detection in tilted-image pairs. <i>Journal of Structural Biology</i> , 2014, 187, 66-75. | 1.3 | 4 |
| 136 | PRECISION MEDICINE: DATA AND DISCOVERY FOR IMPROVED HEALTH AND THERAPY. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2016, 21, 243-8. | 0.7 | 4 |
| 137 | ANDY: a general, fault-tolerant tool for database searching on computer clusters. <i>Bioinformatics</i> , 2006, 22, 618-620. | 1.8 | 3 |
| 138 | PRECISION MEDICINE: FROM DILOTYPES TO DISPARITIES TOWARDS IMPROVED HEALTH AND THERAPIES. , 2018, , . | | 3 |
| 139 | When Biology Gets Personal: Hidden Challenges of Privacy and Ethics in Biological Big Data. , 2018, , . | | 3 |
| 140 | PERSONALIZED MEDICINE: FROM GENOTYPES AND MOLECULAR PHENOTYPES TOWARDS THERAPY- SESSION INTRODUCTION. , 2013, 19, 224-8. | | 2 |
| 141 | PRECISION MEDICINE: DATA AND DISCOVERY FOR IMPROVED HEALTH AND THERAPY. , 2016, , . | | 2 |
| 142 | The evolving roles of alternative splicing. <i>Current Opinion in Structural Biology</i> , 2004, 14, 273-273. | 2.6 | 1 |
| 143 | Optimal and fast rotational alignment of volumes with missing data in Fourier space. <i>Journal of Structural Biology</i> , 2013, 184, 345-347. | 1.3 | 1 |
| 144 | Ten Years of PLoS Computational Biology: A Decade of Appreciation and Innovation. <i>PLoS Computational Biology</i> , 2015, 11, e1004317. | 1.5 | 1 |

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|-----|---|-----|-----------|
| 145 | Nijmegen Breakage Syndrome Detected By Newborn Screening for T Cell Receptor Excision Circles (TRECs). <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, AB14. | 1.5 | 1 |
| 146 | USE OF GENOME DATA IN NEWBORNS AS A STARTING POINT FOR LIFE-LONG PRECISION MEDICINE. , 2016, , . | | 1 |
| 147 | Non-Coding Variation: The 2016 Annual Scientific Meeting of the Human Genome Variation Society. <i>Human Mutation</i> , 2017, 38, 460-463. | 1.1 | 1 |
| 148 | Abstract 3295: CAGI: The Critical Assessment of Genome Interpretation, a community experiment to evaluate phenotype prediction: implications for predicting impact of variants in cancer. <i>Cancer Research</i> , 2018, 78, 3295-3295. | 0.4 | 1 |
| 149 | Navigating ethical quandaries with the privacy dilemma of biomedical datasets. , 2019, , . | | 1 |
| 150 | Characterization of Illumina Sequencing Errors: Implications for Investigations of the Gut Microbiota. <i>Gastroenterology</i> , 2011, 140, S-331. | 0.6 | 0 |
| 151 | THE FUTURE OF GENOME-BASED MEDICINE. , 2012, , . | | 0 |
| 152 | Novel Presentation of Recurrent Infection in a Family with NOD2 Mutation. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, AB383. | 1.5 | 0 |
| 153 | Back Cover, Volume 40, Issue 9. <i>Human Mutation</i> , 2019, 40, ii. | 1.1 | 0 |
| 154 | Computational Challenges and Artificial Intelligence in Precision Medicine. , 2020, , . | | 0 |
| 155 | Developing Computational Biology. <i>PLoS Computational Biology</i> , 2007, 3, e157. | 1.5 | 0 |
| 156 | REGULATORY RNA. , 2016, , . | | 0 |
| 157 | Precision Medicine: Improving health through high-resolution analysis of personal data. , 2018, , . | | 0 |
| 158 | Precision Medicine: Addressing the Challenges of Sharing, Analysis, and Privacy at Scale. , 2019, , . | | 0 |
| 159 | Precision Medicine: Using Artificial Intelligence to Improve Diagnostics and Healthcare. , 2021, , . | | 0 |