# Heinrich Sticht

List of Publications by Year
in descending order

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|---|---|---|---|
| 305 papers | 12,693 citations | 25034 57 h-index | 42399 92 g-index |
| 323 all docs | 323 docs citations | 323 times ranked | 20395 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Range of genetic mutations associated with severe non-syndromic sporadic intellectual disability: an exome sequencing study. Lancet, The, 2012, 380, 1674-1682. | 13.7 | 940 |
| 2 | AMBER force-field parameters for phosphorylated amino acids in different protonation states: phosphoserine, phosphothreonine, phosphotyrosine, and phosphohistidine. Journal of Molecular Modeling, 2006, 12, 281-289. | 1.8 | 337 |
| 3 | Mutations in STRA6 Cause a Broad Spectrum of Malformations Including Anophthalmia, Congenital Heart Defects, Diaphragmatic Hernia, Alveolar Capillary Dysplasia, Lung Hypoplasia, and Mental Retardation. American Journal of Human Genetics, 2007, 80, 550-560. | 6.2 | 316 |
| 4 | The interleukin-10 family of cytokines. Trends in Immunology, 2002, 23, 89-96. | 6.8 | 290 |
| 5 | Structure of Amyloid A4-(1-40)-Peptide of Alzheimer's Disease. FEBS Journal, 1995, 233, 293-298. | 0.2 | 273 |
| 6 | Human TBX1 Missense Mutations Cause Gain of Function Resulting in the Same Phenotype as 22q11.2 Deletions. American Journal of Human Genetics, 2007, 80, 510-517. | 6.2 | 195 |
| 7 | Diagnostic Yield and Novel Candidate Genes by Exome Sequencing in 152 Consanguineous Families With Neurodevelopmental Disorders. JAMA Psychiatry, 2017, 74, 293. | 11.0 | 186 |
| 8 | Identification of a novel loss-of-function calcium channel gene mutation in short QT syndrome (SQTS6). European Heart Journal, 2011, 32, 1077-1088. | 2.2 | 178 |
| 9 | Mutations in MEF2C from the 5q14.3q15 microdeletion syndrome region are a frequent cause of severe mental retardation and diminish MECP2 and CDKL5 expression. Human Mutation, 2010, 31, 722-733. | 2.5 | 163 |
| 10 | Allergic Cross-reactivity Made Visible. Journal of Biological Chemistry, 2001, 276, 22756-22763. | 3.4 | 151 |
| 11 | De Novo Mutations in the Genome Organizer CTCF Cause Intellectual Disability. American Journal of Human Genetics, 2013, 93, 124-131. | 6.2 | 151 |
| 12 | B Cell Repertoire Analysis Identifies New Antigenic Domains on Glycoprotein B of Human Cytomegalovirus which Are Target of Neutralizing Antibodies. PLoS Pathogens, 2011, 7, e1002172. | 4.7 | 136 |
| 13 | Heterozygous NTF4 Mutations Impairing Neurotrophin-4 Signaling in Patients with Primary Open-Angle Glaucoma. American Journal of Human Genetics, 2009, 85, 447-456. | 6.2 | 134 |
| 14 | The structure of ironâ€“sulfur proteins. Progress in Biophysics and Molecular Biology, 1998, 70, 95-136. | 2.9 | 131 |
| 15 | Structural Rearrangements of HIV-1 Tat-responsive RNA upon Binding of Neomycin B. Journal of Biological Chemistry, 2000, 275, 20660-20666. | 3.4 | 131 |
| 16 | The T-cell Lymphokine Interleukin-26 Targets Epithelial Cells through the Interleukin-20 Receptor 1 and Interleukin-10 Receptor 2 Chains. Journal of Biological Chemistry, 2004, 279, 33343-33351. | 3.4 | 126 |
| 17 | Severely Incapacitating Mutations in Patients with Extreme Short Stature Identify RNA-Processing Endoribonuclease RMRP as an Essential Cell Growth Regulator. American Journal of Human Genetics, 2005, 77, 795-806. | 6.2 | 117 |
| 18 | Structure determination of human and murine beta-defensins reveals structural conservation in the absence of significant sequence similarity. Protein Science, 2001, 10, 2470-2479. | 7.6 | 115 |

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|---|---|---|---|
| 19 | Synthetic Peptides as Protein Mimics. Frontiers in Bioengineering and Biotechnology, 2015, 3, 211. | 4.1 | 113 |
| 20 | Gene dosage-dependent rescue of HSP neurite defects in SPG4 patients' neurons. Human Molecular Genetics, 2014, 23, 2527-2541. | 2.9 | 111 |
| 21 | Estrogen and progesterone receptors: from molecular structures to clinical targets. Cellular and Molecular Life Sciences, 2009, 66, 2405-2426. | 5.4 | 108 |
| 22 | Structural Analysis of the Protein Phosphatase 1 Docking Motif: Molecular Description of Binding Specificities Identifies Interacting Proteins. Chemistry and Biology, 2006, 13, 49-59. | 6.0 | 107 |
| 23 | Oral Treatment with the <scp>d</scp>-Enantiomeric Peptide D3 Improves the Pathology and Behavior of Alzheimerâ€™s Disease Transgenic Mice. ACS Chemical Neuroscience, 2010, 1, 639-648. | 3.5 | 107 |
| 24 | A Peroxisomal Disorder of Severe Intellectual Disability, Epilepsy, and Cataracts Due to Fatty Acyl-CoA Reductase 1 Deficiency. American Journal of Human Genetics, 2014, 95, 602-610. | 6.2 | 106 |
| 25 | Clinical relevance of systematic phenotyping and exome sequencing in patients with short stature. Genetics in Medicine, 2018, 20, 630-638. | 2.4 | 101 |
| 26 | Responsiveness of B cells is regulated by the hinge region of IgD. Nature Immunology, 2015, 16, 534-543. | 14.5 | 98 |
| 27 | Protective capacity of neutralizing and non-neutralizing antibodies against glycoprotein B of cytomegalovirus. PLoS Pathogens, 2017, 13, e1006601. | 4.7 | 91 |
| 28 | Mutations in IL36RN in Patients with Generalized Pustular Psoriasis. Journal of Investigative Dermatology, 2013, 133, 2634-2637. | 0.7 | 89 |
| 29 | Further delineation of Pitt-Hopkins syndrome: phenotypic and genotypic description of 16 novel patients. Journal of Medical Genetics, 2008, 45, 738-744. | 3.2 | 86 |
| 30 | Novel Mode of Phosphorylation-triggered Reorganization of the Nuclear Lamina during Nuclear Egress of Human Cytomegalovirus. Journal of Biological Chemistry, 2010, 285, 13979-13989. | 3.4 | 86 |
| 31 | The CD83 Molecule â€“ An Important Immune Checkpoint. Frontiers in Immunology, 2020, 11, 721. | 4.8 | 86 |
| 32 | Â-Helix nucleation by a calcium-binding peptide loop. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 903-908. | 7.1 | 83 |
| 33 | A mutation of the epithelial sodium channel associated with atypical cystic fibrosis increases channel open probability and reduces Na<sup>+</sup> self inhibition. Journal of Physiology, 2010, 588, 1211-1225. | 2.9 | 83 |
| 34 | A Specific A/T Polymorphism in Western Tyrosine Phosphorylation B-Motifs Regulates Helicobacter pylori CagA Epithelial Cell Interactions. PLoS Pathogens, 2015, 11, e1004621. | 4.7 | 83 |
| 35 | Disturbed Wnt Signalling due to a Mutation in CCDC88C Causes an Autosomal Recessive Non-Syndromic Hydrocephalus with Medial Diverticulum. Molecular Syndromology, 2010, 1, 99-112. | 0.8 | 82 |
| 36 | The genetic basis for most patients with pustular skin disease remains elusive. British Journal of Dermatology, 2018, 178, 740-748. | 1.5 | 82 |

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| 37 | Cytomegaloviral proteins that associate with the nuclear lamina: components of a postulated nuclear egress complex. Journal of General Virology, 2009, 90, 579-590. | 2.9 | 81 |
| 38 | Proteomic Analysis of the Multimeric Nuclear Egress Complex of Human Cytomegalovirus. Molecular and Cellular Proteomics, 2014, 13, 2132-2146. | 3.8 | 79 |
| 39 | Palmoplantar Pustular Psoriasis Is Associated with Missense Variants in CARD14 , but Not with Loss-of-Function Mutations in IL36RN in European Patients. Journal of Investigative Dermatology, 2015, 135, 2538-2541. | 0.7 | 78 |
| 40 | Channel Estimation for Diffusive Molecular Communications. IEEE Transactions on Communications, 2016, , 1-1. | 7.8 | 78 |
| 41 | AMPA-receptor specific biogenesis complexes control synaptic transmission and intellectual ability. Nature Communications, 2017, 8, 15910. | 12.8 | 77 |
| 42 | Variants in ASB10 are associated with open-angle glaucoma. Human Molecular Genetics, 2012, 21, 1336-1349. | 2.9 | 76 |
| 43 | Amyloid-Î² dimers in the absence of plaque pathology impair learning and synaptic plasticity. Brain, 2016, 139, 509-525. | 7.6 | 74 |
| 44 | Antitermination in bacteriophage Î». FEBS Journal, 2000, 267, 2397-2408. | 0.2 | 72 |
| 45 | Structural Investigation of the Binding of a Herpesviral Protein to the SH3 Domain of Tyrosine Kinase Lckâ€‚â€¡. Biochemistry, 2002, 41, 5120-5130. | 2.5 | 72 |
| 46 | Null Mutation in PGAP1 Impairing Gpi-Anchor Maturation in Patients with Intellectual Disability and Encephalopathy. PLoS Genetics, 2014, 10, e1004320. | 3.5 | 72 |
| 47 | The clinical significance of small copy number variants in neurodevelopmental disorders. Journal of Medical Genetics, 2014, 51, 677-688. | 3.2 | 72 |
| 48 | De novo missense mutations in the NAA10 gene cause severe non-syndromic developmental delay in males and females. European Journal of Human Genetics, 2015, 23, 602-609. | 2.8 | 72 |
| 49 | Crystal Structure of the Human Cytomegalovirus pUL50-pUL53 Core Nuclear Egress Complex Provides Insight into a Unique Assembly Scaffold for Virus-Host Protein Interactions. Journal of Biological Chemistry, 2015, 290, 27452-27458. | 3.4 | 71 |
| 50 | Identification of the variant Ala335Val of MED25 as responsible for CMT2B2: molecular data, functional studies of the SH3 recognition motif and correlation between wild-type MED25 and PMP22 RNA levels in CMT1A animal models. Neurogenetics, 2009, 10, 275-287. | 1.4 | 68 |
| 51 | Differential contribution of EFâ€hands to the Ca<sup>2+</sup>â€dependent activation in the plant twoâ€pore channel TPC1. Plant Journal, 2011, 68, 424-432. | 5.7 | 68 |
| 52 | Structure of Human Parathyroid Hormone 1â€“37 in Solution. Journal of Biological Chemistry, 1995, 270, 15194-15202. | 3.4 | 66 |
| 53 | CD and NMR Studies of Prion Protein (PrP) Helix 1. Journal of Biological Chemistry, 2003, 278, 50175-50181. | 3.4 | 66 |
| 54 | Confirmation of mutations inPROSCas a novel cause of vitamin B<sub><sub>6</sub></sub>-dependent epilepsy. Journal of Medical Genetics, 2017, 54, 809-814. | 3.2 | 66 |

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|---|---|---|---|
| 55 | Conformational Stability of Fibrillar Amyloid-Beta Oligomers via Protofilament Pair Formation â€“ A Systematic Computational Study. PLoS ONE, 2013, 8, e70521. | 2.5 | 64 |
| 56 | Mutations in CYP1B1 cause primary congenital glaucoma by reduction of either activity or abundance of the enzyme. Human Mutation, 2008, 29, 1147-1153. | 2.5 | 62 |
| 57 | Rational Design of Î²-Sheet Ligands Against AÎ²<sub>42</sub>-Induced Toxicity. Journal of the American Chemical Society, 2011, 133, 4348-4358. | 13.7 | 61 |
| 58 | Campylobacter jejuni enters gut epithelial cells and impairs intestinal barrier function through cleavage of occludin by serine protease HtrA. Gut Pathogens, 2019, 11, 4. | 3.4 | 61 |
| 59 | Casein kinase 2-dependent serine phosphorylation of MuSK regulates acetylcholine receptor aggregation at the neuromuscular junction. Genes and Development, 2006, 20, 1800-1816. | 5.9 | 60 |
| 60 | Crystal Structure of Cytomegalovirus IE1 Protein Reveals Targeting of TRIM Family Member PML via Coiled-Coil Interactions. PLoS Pathogens, 2014, 10, e1004512. | 4.7 | 60 |
| 61 | Haploinsufficiency of vascular endothelial growth factor related signaling genes is associated with tetralogy of Fallot. Genetics in Medicine, 2019, 21, 1001-1007. | 2.4 | 58 |
| 62 | Elucidation of the phenotypic spectrum and genetic landscape in primary and secondary microcephaly. Genetics in Medicine, 2019, 21, 2043-2058. | 2.4 | 57 |
| 63 | T4SS-dependent TLR5 activation by Helicobacter pylori infection. Nature Communications, 2019, 10, 5717. | 12.8 | 56 |
| 64 | A Dual Phenotype of Periventricular Nodular Heterotopia and Frontometaphyseal Dysplasia in One Patient Caused by a Single FLNA Mutation Leading to Two Functionally Different Aberrant Transcripts. American Journal of Human Genetics, 2004, 74, 731-737. | 6.2 | 55 |
| 65 | Analysis of the Structureâ^'Activity Relationship of Four Herpesviral UL97 Subfamily Protein Kinases Reveals Partial but not Full Functional Conservationâ€. Journal of Medicinal Chemistry, 2006, 49, 7044-7053. | 6.4 | 55 |
| 66 | Profiling ofWDR36Missense Variants in German Patients with Glaucoma. , 2008, 49, 270. | | 55 |
| 67 | Independent NF1 and PTPN11 mutations in a family with neurofibromatosisâ€Noonan syndrome. American Journal of Medical Genetics, Part A, 2009, 149A, 1263-1267. | 1.2 | 55 |
| 68 | Structure of the equine infectious anemia virus Tat protein. Science, 1994, 264, 1584-1587. | 12.6 | 53 |
| 69 | Genome-Wide Association Study of <scp>l</scp> -Arginine and Dimethylarginines Reveals Novel Metabolic Pathway for Symmetric Dimethylarginine. Circulation: Cardiovascular Genetics, 2014, 7, 864-872. | 5.1 | 53 |
| 70 | Genetic screening confirms heterozygous mutations in ACAN as a major cause of idiopathic short stature. Scientific Reports, 2017, 7, 12225. | 3.3 | 53 |
| 71 | Myeloperoxidase Modulates Inflammation in Generalized Pustular Psoriasis and Additional Rare Pustular Skin Diseases. American Journal of Human Genetics, 2020, 107, 527-538. | 6.2 | 53 |
| 72 | Solution structure of the glycosylated second type 2 module of fibronectin. Journal of Molecular Biology, 1998, 276, 177-187. | 4.2 | 52 |

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| 73 | The role of recessive inheritance in early-onset epileptic encephalopathies: a combined whole-exome sequencing and copy number study. European Journal of Human Genetics, 2019, 27, 408-421. | 2.8 | 52 |
| 74 | Crystal Structure Analysis and Solution Studies of Human Lck-SH3; Zinc-induced Homodimerization Competes with the Binding of Proline-rich Motifs. Journal of Molecular Biology, 2007, 365, 1417-1428. | 4.2 | 51 |
| 75 | Amyloid-Î²42 Oligomer Structures from Fibrils: A Systematic Molecular Dynamics Study. Journal of Physical Chemistry B, 2010, 114, 2219-2226. | 2.6 | 49 |
| 76 | Missense Variants in RHOBTB2 Cause a Developmental and Epileptic Encephalopathy in Humans, and Altered Levels Cause Neurological Defects in Drosophila. American Journal of Human Genetics, 2018, 102, 44-57. | 6.2 | 49 |
| 77 | Structure ofSynechococcus elongatus[Fe2S2] Ferredoxin in Solutionâ€. Biochemistry, 1996, 35, 12831-12841. | 2.5 | 48 |
| 78 | De Novo Variants in the F-Box Protein FBXO11 in 20 Individuals with a Variable Neurodevelopmental Disorder. American Journal of Human Genetics, 2018, 103, 305-316. | 6.2 | 48 |
| 79 | CTCF variants in 39 individuals with a variable neurodevelopmental disorder broaden the mutational and clinical spectrum. Genetics in Medicine, 2019, 21, 2723-2733. | 2.4 | 48 |
| 80 | Rare Loss-of-Function Mutation in SERPINA3 in Generalized Pustular Psoriasis. Journal of Investigative Dermatology, 2020, 140, 1451-1455.e13. | 0.7 | 48 |
| 81 | Recognition of T-rich single-stranded DNA by the cold shock protein Bs-CspB in solution. Nucleic Acids Research, 2006, 34, 4561-4571. | 14.5 | 47 |
| 82 | Spatially clustering de novo variants in CYFIP2, encoding the cytoplasmic FMRP interacting protein 2, cause intellectual disability and seizures. European Journal of Human Genetics, 2019, 27, 747-759. | 2.8 | 47 |
| 83 | Solution structure of cytochrome c6 from the thermophilic cyanobacterium Synechococcus elongatus. EMBO Journal, 1998, 17, 27-36. | 7.8 | 46 |
| 84 | Structural Insight into the Giant Ca2+-Binding Adhesin SiiE: Implications for the Adhesion of Salmonella enterica to Polarized Epithelial Cells. Structure, 2013, 21, 741-752. | 3.3 | 46 |
| 85 | Autosomal-Recessive Mutations in the tRNA Splicing Endonuclease Subunit TSEN15 Cause Pontocerebellar Hypoplasia and Progressive Microcephaly. American Journal of Human Genetics, 2016, 99, 228-235. | 6.2 | 44 |
| 86 | De Novo Variants in MAPK8IP3 Cause Intellectual Disability with Variable Brain Anomalies. American Journal of Human Genetics, 2019, 104, 203-212. | 6.2 | 44 |
| 87 | Structural characterization of Lyn-SH3 domain in complex with a herpesviral protein reveals an extended recognition motif that enhances binding affinity. Protein Science, 2005, 14, 2487-2498. | 7.6 | 43 |
| 88 | Combining Independent Drug Classes into Superior, Synergistically Acting Hybrid Molecules. Angewandte Chemie - International Edition, 2010, 49, 8743-8746. | 13.8 | 43 |
| 89 | The Prolyl Isomerase Pin1 Promotes the Herpesvirus-Induced Phosphorylation-Dependent Disassembly of the Nuclear Lamina Required for Nucleocytoplasmic Egress. PLoS Pathogens, 2016, 12, e1005825. | 4.7 | 43 |
| 90 | Characterization of Recombinant Human Cytomegaloviruses Encoding IE1 Mutants L174P and 1-382 Reveals that Viral Targeting of PML Bodies Perturbs both Intrinsic and Innate Immune Responses. Journal of Virology, 2016, 90, 1190-1205. | 3.4 | 42 |

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|---|---|---|---|
| 91 | Further corroboration of distinct functional features in SCN2A variants causing intellectual disability or epileptic phenotypes. Molecular Medicine, 2019, 25, 6. | 4.4 | 42 |
| 92 | Relevance of conserved lysine and arginine residues in transmembrane helices for the transport activity of organic anion transporting polypeptide 1B3. British Journal of Pharmacology, 2010, 159, 698-708. | 5.4 | 41 |
| 93 | Structural Basis for the Recognition of Human Cytomegalovirus Glycoprotein B by a Neutralizing Human Antibody. PLoS Pathogens, 2014, 10, e1004377. | 4.7 | 41 |
| 94 | Insights into amprenavir resistance in E35D HIV-1 protease mutation from molecular dynamics and binding free-energy calculations. Journal of Molecular Modeling, 2007, 13, 297-304. | 1.8 | 40 |
| 95 | Synthetic Protein Scaffolds Based on Peptide Motifs and Cognate Adaptor Domains for Improving Metabolic Productivity. Frontiers in Bioengineering and Biotechnology, 2015, 3, 191. | 4.1 | 40 |
| 96 | Mutations in DCPS and EDC3 in autosomal recessive intellectual disability indicate a crucial role for mRNA decapping in neurodevelopment. Human Molecular Genetics, 2015, 24, 3172-3180. | 2.9 | 40 |
| 97 | Overexpression, Purification, and Biochemical Characterization of the Extracellular Human CD83 Domain and Generation of Monoclonal Antibodies. Protein Expression and Purification, 2002, 24, 445-452. | 1.3 | 39 |
| 98 | Hybrid Compounds. BioDrugs, 2012, 26, 21-31. | 4.6 | 39 |
| 99 | The cytomegalovirus egress proteins pUL50 and pUL53 are translocated to the nuclear envelope through two distinct modes of nuclear import. Journal of General Virology, 2013, 94, 2056-2069. | 2.9 | 39 |
| 100 | The human cytomegalovirus nuclear egress complex unites multiple functions: Recruitment of effectors, nuclear envelope rearrangement, and docking to nuclear capsids. Reviews in Medical Virology, 2017, 27, e1934. | 8.3 | 39 |
| 101 | Group I Metabotropic Glutamate Receptors Bind to Protein Phosphatase 1C. Journal of Biological Chemistry, 2003, 278, 50682-50690. | 3.4 | 38 |
| 102 | CD83 is a dimer: Comparative analysis of monomeric and dimeric isoforms. Biochemical and Biophysical Research Communications, 2005, 329, 132-139. | 2.1 | 37 |
| 103 | Characterization of two mutations in the SPTLC1 subunit of serine palmitoyltransferase associated with hereditary sensory and autonomic neuropathy type I. Human Mutation, 2011, 32, E2211-E2225. | 2.5 | 37 |
| 104 | The chemical class of quinazoline compounds provides a core structure for the design of anticytomegaloviral kinase inhibitors. Antiviral Research, 2016, 134, 130-143. | 4.1 | 37 |
| 105 | A computational strategy for the prediction of functional linear peptide motifs in proteins. Bioinformatics, 2007, 23, 3297-3303. | 4.1 | 36 |
| 106 | Conformational Switch upon Phosphorylation: Human CDK Inhibitor p19<sup>INK4d</sup> between the Native and Partially Folded State. ACS Chemical Biology, 2009, 4, 53-63. | 3.4 | 36 |
| 107 | Oxidative stress-induced posttranslational modifications of human hemoglobin in erythrocytes. Archives of Biochemistry and Biophysics, 2013, 529, 34-44. | 3.0 | 36 |
| 108 | Toll-like Receptor 5 Activation by the CagY Repeat Domains of Helicobacter pylori. Cell Reports, 2020, 32, 108159. | 6.4 | 36 |

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| 109 | Specific Residues of a Conserved Domain in the N Terminus of the Human Cytomegalovirus pUL50 Protein Determine Its Intranuclear Interaction with pUL53. Journal of Biological Chemistry, 2012, 287, 24004-24016. | 3.4 | 35 |
| 110 | Characterization of a Discontinuous Neutralizing Epitope on Glycoprotein B of Human Cytomegalovirus. Journal of Virology, 2013, 87, 8927-8939. | 3.4 | 35 |
| 111 | NDST1 missense mutations in autosomal recessive intellectual disability. American Journal of Medical Genetics, Part A, 2014, 164, 2753-2763. | 1.2 | 34 |
| 112 | Genotype-phenotype evaluation of MED13L defects in the light of a novel truncating and a recurrent missense mutation. European Journal of Medical Genetics, 2017, 60, 451-464. | 1.3 | 34 |
| 113 | Solution Structure of the Human CC Chemokine 2:Â A Monomeric Representative of the CC Chemokine Subtypeâ€,â€¡. Biochemistry, 1999, 38, 5995-6002. | 2.5 | 33 |
| 114 | Two isoforms of the protein kinase pUL97 of human cytomegalovirus are differentially regulated in their nuclear translocation. Journal of General Virology, 2011, 92, 638-649. | 2.9 | 33 |
| 115 | Alanine-glyoxylate aminotransferase 2 (AGXT2) Polymorphisms Have Considerable Impact on Methylarginine and Î²-aminoisobutyrate Metabolism in Healthy Volunteers. PLoS ONE, 2014, 9, e88544. | 2.5 | 33 |
| 116 | The pH-dependent Client Release from the Collagen-specific Chaperone HSP47 Is Triggered by a Tandem Histidine Pair. Journal of Biological Chemistry, 2016, 291, 12612-12626. | 3.4 | 33 |
| 117 | N<sup>8</sup>â€acetylspermidine as a potential plasma biomarker for Snyderâ€Robinson syndrome identified by clinical metabolomics. Journal of Inherited Metabolic Disease, 2016, 39, 131-137. | 3.6 | 33 |
| 118 | Systematic Analysis of Phosphotyrosine Antibodies Recognizing Single Phosphorylated EPIYA-Motifs in CagA of Western-Type Helicobacter pylori Strains. PLoS ONE, 2014, 9, e96488. | 2.5 | 33 |
| 119 | New insights into the clinical and molecular spectrum of the novel CYFIP2-related neurodevelopmental disorder and impairment of the WRC-mediated actin dynamics. Genetics in Medicine, 2021, 23, 543-554. | 2.4 | 32 |
| 120 | Selection and Characterization of Tau Binding á´…-Enantiomeric Peptides with Potential for Therapy of Alzheimer Disease. PLoS ONE, 2016, 11, e0167432. | 2.5 | 32 |
| 121 | A Two-Î±-Helix Extra Domain Mediates the Halophilic Character of a Plant-Type Ferredoxin from Halophilic Archaeaâ€,â€¡. Biochemistry, 2005, 44, 29-39. | 2.5 | 31 |
| 122 | Dual Selection Pressure by Drugs and HLA Class I-Restricted Immune Responses on Human Immunodeficiency Virus Type 1 Protease. Journal of Virology, 2007, 81, 2887-2898. | 3.4 | 31 |
| 123 | The polynucleotide kinase 3â€²-phosphatase gene (PNKP) is involved in Charcot-Marie-Tooth disease (CMT2B2) previously related to MED25. Neurogenetics, 2018, 19, 215-225. | 1.4 | 31 |
| 124 | Pathogenic WDFY3 variants cause neurodevelopmental disorders and opposing effects on brain size. Brain, 2019, 142, 2617-2630. | 7.6 | 31 |
| 125 | A Survey of Biological Building Blocks for Synthetic Molecular Communication Systems. IEEE Communications Surveys and Tutorials, 2020, 22, 2765-2800. | 39.4 | 31 |
| 126 | Role of the N-terminus for the stability of an amyloid-Î² fibril with three-fold symmetry. PLoS ONE, 2017, 12, e0186347. | 2.5 | 31 |

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|---|---|---|---|
| 127 | Molecular Dynamics Simulations of HIV-1 Protease Suggest Different Mechanisms Contributing to Drug Resistance. Journal of Chemical Theory and Computation, 2005, 1, 315-324. | 5.3 | 30 |
| 128 | Effect of pathogenic mutations on the structure and dynamics of Alzheimerâ€™s Aî²42-amyloid oligomers. Journal of Molecular Modeling, 2010, 16, 1011-1020. | 1.8 | 30 |
| 129 | Infantile Epileptic Encephalopathy, Transient Choreoathetotic Movements, and Hypersomnia due to a De Novo Missense Mutation in the SCN2A Gene. Neuropediatrics, 2014, 45, 261-264. | 0.6 | 30 |
| 130 | Variants in CPLX1 in two families with autosomal-recessive severe infantile myoclonic epilepsy and ID. European Journal of Human Genetics, 2017, 25, 889-893. | 2.8 | 30 |
| 131 | SUMO E3 ligases are expressed in the retina and regulate SUMOylation of the metabotropic glutamate receptor 8b. Biochemical Journal, 2011, 435, 365-371. | 3.7 | 29 |
| 132 | Expanding the clinical and mutational spectrum of Kaufman oculocerebrofacial syndrome with biallelic UBE3B mutations. Human Genetics, 2014, 133, 939-949. | 3.8 | 29 |
| 133 | Systematic analysis of phosphotyrosine antibodies recognizing single phosphorylated EPIYA-motifs in CagA of East Asian-type Helicobacter pylori strains. BMC Microbiology, 2016, 16, 201. | 3.3 | 29 |
| 134 | Amino-Terminal Processing of Helicobacter pylori Serine Protease HtrA: Role in Oligomerization and Activity Regulation. Frontiers in Microbiology, 2018, 9, 642. | 3.5 | 29 |
| 135 | De novo variants in PAK1 lead to intellectual disability with macrocephaly and seizures. Brain, 2019, 142, 3351-3359. | 7.6 | 29 |
| 136 | Viroporins: Structure, function, and their role in the life cycle of SARS-CoV-2. International Journal of Biochemistry and Cell Biology, 2022, 145, 106185. | 2.8 | 29 |
| 137 | Secondary Structure and Tertiary Fold of the Birch Pollen Allergen Bet v 1 in Solution. Journal of Biological Chemistry, 1996, 271, 19243-19250. | 3.4 | 28 |
| 138 | Two novel mutations in the insulin binding subunit of the insulin receptor gene without insulin binding impairment in a patient with Rabsonâ€“Mendenhall syndrome. Molecular Genetics and Metabolism, 2008, 94, 356-362. | 1.1 | 28 |
| 139 | Validation of the reliability of computational O-GlcNAc prediction. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 416-421. | 2.3 | 28 |
| 140 | DYNC2LI1 mutations broaden the clinical spectrum of dynein-2 defects. Scientific Reports, 2015, 5, 11649. | 3.3 | 28 |
| 141 | Mutations in the B.1.1.7 SARS-CoV-2 Spike Protein Reduce Receptor-Binding Affinity and Induce a Flexible Link to the Fusion Peptide. Biomedicines, 2021, 9, 525. | 3.2 | 28 |
| 142 | Inhibition of SARS CoV Envelope Protein by Flavonoids and Classical Viroporin Inhibitors. Frontiers in Microbiology, 2021, 12, 692423. | 3.5 | 28 |
| 143 | High-resolution crystal structures of two prototypical Î²- and Î³-herpesviral nuclear egress complexes unravel the determinants of subfamily specificity. Journal of Biological Chemistry, 2020, 295, 3189-3201. | 3.4 | 28 |
| 144 | A new redox-dependent mechanism of MMP-1 activity control comprising reduced low-molecular-weight thiols and oxidizing radicals. Journal of Molecular Medicine, 2009, 87, 261-272. | 3.9 | 27 |

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|---|---|---|---|
| 145 | Molecular Engineering of a Secreted, Highly Homogeneous, and Neurotoxic AÎ² Dimer. ACS Chemical Neuroscience, 2011, 2, 242-248. | 3.5 | 27 |
| 146 | A Multiple Piccolino-RIBEYE Interaction Supports Plate-Shaped Synaptic Ribbons in Retinal Neurons. Journal of Neuroscience, 2019, 39, 2606-2619. | 3.6 | 27 |
| 147 | Expanding the clinical spectrum of COL1A1 mutations in different forms of glaucoma. Orphanet Journal of Rare Diseases, 2016, 11, 108. | 2.7 | 26 |
| 148 | Hypomorphic Pathogenic Variants in TAF13 Are Associated with Autosomal-Recessive Intellectual Disability and Microcephaly. American Journal of Human Genetics, 2017, 100, 555-561. | 6.2 | 26 |
| 149 | Human Cytomegalovirus Nuclear Capsids Associate with the Core Nuclear Egress Complex and the Viral Protein Kinase pUL97. Viruses, 2018, 10, 35. | 3.3 | 26 |
| 150 | The Structure of the Coliphage HK022 Nun Protein-Î»-phage boxB RNA Complex. Journal of Biological Chemistry, 2001, 276, 32064-32070. | 3.4 | 25 |
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