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	De novo missense variants in FBXO11 alter its protein expression and subcellular localization. Human Molecular Genetics, 2022, 31, 440-454.	2.9	7
2	A pair of noncompeting neutralizing human monoclonal antibodies protecting from disease in a SARSâ€CoVâ€2 infection model. European Journal of Immunology, 2022, 52, 770-783.	2.9	24
3	A novel D-amino acid peptide with therapeutic potential (ISAD1) inhibits aggregation of neurotoxic disease-relevant mutant Tau and prevents Tau toxicity in vitro. Alzheimer's Research and Therapy, 2022, 14, 15.	6.2	10
4	Effect of Ions and Sequence Variants on the Antagonist Binding Properties of the Histamine H1 Receptor. International Journal of Molecular Sciences, 2022, 23, 1420.	4.1	3
5	The crystal structure of the varicella-zoster Orf24-Orf27 nuclear egress complex spotlights multiple determinants of herpesvirus subfamily specificity. Journal of Biological Chemistry, 2022, 298, 101625.	3.4	8
6	Bi-allelic variants inCHKAcause a neurodevelopmental disorder with epilepsy and microcephaly. Brain, 2022, 145, 1916-1923.	7.6	3
7	De novo variants in ATP2B1 lead to neurodevelopmental delay. American Journal of Human Genetics, 2022, 109, 944-952.	6.2	11
8	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
9	De novo variants in the PABP domain of PABPC1 lead to developmental delay. Genetics in Medicine, 2022, , .	2.4	4
10	The Oligomeric Assemblies of Cytomegalovirus Core Nuclear Egress Proteins Are Associated with Host Kinases and Show Sensitivity to Antiviral Kinase Inhibitors. Viruses, 2022, 14, 1021.	3.3	5
11	Merging bioresponsive release of insulin-like growth factor I with 3D printable thermogelling hydrogels. Journal of Controlled Release, 2022, 347, 115-126.	9.9	8
12	Further characterization of <scp>Borjesonâ€Forssmanâ€Lehmann</scp> syndrome in females due to de novo variants in <scp>PHF6</scp>. Clinical Genetics, 2022, 102, 182-190.	2.0	5
13	Smaller, Stronger, More Stable: Peptide Variants of a SARS-CoV-2 Neutralizing Miniprotein. International Journal of Molecular Sciences, 2022, 23, 6309.	4.1	10
14	Rare slow channel congenital myasthenic syndromes without repetitive compound muscle action potential and dramatic response to low dose fluoxetine. Acta Neurologica Belgica, 2021, 121, 1755-1760.	1.1	0
15	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
16	A proline-rich motif in the large intracellular loop of the glycine receptor Î±1 subunit interacts with the Pleckstrin homology domain of collybistin. Journal of Advanced Research, 2021, 29, 95-106.	9.5	4
17	Pontocerebellar hypoplasia due to bi-allelic variants in MINPP1. European Journal of Human Genetics, 2021, 29, 411-421.	2.8	13
18	De novo variants in SNAP25 cause an early-onset developmental and epileptic encephalopathy. Genetics in Medicine, 2021, 23, 653-660.	2.4	20

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19	Molecular Simulations and Alzheimerx³s Disease. , 2021, , 54-70.		0
20	Matricellular Protein SPARCL1 Regulates Blood Vessel Integrity and Antagonizes Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2021, 27, 1491-1502.	1.9	9
21	Episodic psychosis, ataxia, motor neuropathy with pyramidal signs (PAMP syndrome)Âcaused by a novel mutation in ADPRHL2 (AHR3). Neurological Sciences, 2021, 42, 3871-3878.	1.9	7
22	Modulation of recombinant human alpha 1 glycine receptor by flavonoids and gingerols. Biological Chemistry, 2021, 402, 825-838.	2.5	1
23	Clinical and molecular delineation of spondylocostal dysostosis type 3. Clinical Genetics, 2021, 99, 851-852.	2.0	2
24	Properties of Oligomeric Interaction of the Cytomegalovirus Core Nuclear Egress Complex (NEC) and Its Sensitivity to an NEC Inhibitory Small Molecule. Viruses, 2021, 13, 462.	3.3	13
25	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
26	Loss-of-function and missense variants in NSD2 cause decreased methylation activity and are associated with a distinct developmental phenotype. Genetics in Medicine, 2021, 23, 1474-1483.	2.4	24
27	Functional Relevance of the Interaction between Human Cyclins and the Cytomegalovirus-Encoded CDK-Like Protein Kinase pUL97. Viruses, 2021, 13, 1248.	3.3	7
28	Inhibition of SARS CoV Envelope Protein by Flavonoids and Classical Viroporin Inhibitors. Frontiers in Microbiology, 2021, 12, 692423.	3.5	28
29	A Novel Strain-Specific Neutralizing Epitope on Glycoprotein H of Human Cytomegalovirus. Journal of Virology, 2021, 95, e0065721.	3.4	8
30	The recurrent missense mutation p.(Arg367Trp) in YARS1 causes a distinct neurodevelopmental phenotype. Journal of Molecular Medicine, 2021, 99, 1755-1768.	3.9	3
31	Potent Tau Aggregation Inhibitor Dâ€Peptides Selected against Tauâ€Repeat 2 Using Mirror Image Phage Display. ChemBioChem, 2021, 22, 3049-3059.	2.6	14
32	Computational decomposition reveals reshaping of the SARSâ€CoVâ€2â€“ACE2 interface among viral variants expressing the N501Y mutation. Journal of Cellular Biochemistry, 2021, 122, 1863-1872.	2.6	17
33	Specific Engineered G Protein Coupling to Histamine Receptors Revealed from Cellular Assay Experiments and Accelerated Molecular Dynamics Simulations. International Journal of Molecular Sciences, 2021, 22, 10047.	4.1	4
34	Homodimerization of a proximal region within the C-terminus of the orphan G-protein coupled receptor GPR179. Neurochemistry International, 2021, 149, 105150.	3.8	1
35	Bi-allelic variants in SPATA5L1 lead to intellectual disability, spastic-dystonic cerebral palsy, epilepsy, and hearing loss. American Journal of Human Genetics, 2021, 108, 2006-2016.	6.2	11
36	N-Terminus to Arginine Side-Chain Cyclization of Linear Peptidic Neuropeptide Y Y₄ Receptor Ligands Results in Picomolar Binding Constants. Journal of Medicinal Chemistry, 2021, 64, 16746-16769.	6.4	11

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37	Characterizing the Interaction between the HTLV-1 Transactivator Tax-1 with Transcription Elongation Factor ELL2 and Its Impact on Viral Transactivation. International Journal of Molecular Sciences, 2021, 22, 13597.	4.1	0
38	Toll-like Receptor 5 Activation by the CagY Repeat Domains of Helicobacter pylori. Cell Reports, 2020, 32, 108159.	6.4	36
39	Transfer of HTLV-1 p8 and Gag to target T-cells depends on VASP, a novel interaction partner of p8. PLoS Pathogens, 2020, 16, e1008879.	4.7	8
40	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
41	Agonist Binding and G Protein Coupling in Histamine H2 Receptor: A Molecular Dynamics Study. International Journal of Molecular Sciences, 2020, 21, 6693.	4.1	10
42	Loss of PHF6 leads to aberrant development of human neuron-like cells. Scientific Reports, 2020, 10, 19030.	3.3	3
43	Fine-Tuning of Neuronal Ion Channelsâ€“Mapping of Residues Involved in Glucose Sensitivity of Recombinant Human Glycine Receptors. ACS Chemical Neuroscience, 2020, 11, 3474-3483.	3.5	2
44	A Survey of Biological Building Blocks for Synthetic Molecular Communication Systems. IEEE Communications Surveys and Tutorials, 2020, 22, 2765-2800.	39.4	31
45	Campylobacter jejuni Serine Protease HtrA Cleaves the Tight Junction Component Claudin-8. Frontiers in Cellular and Infection Microbiology, 2020, 10, 590186.	3.9	22
46	Expanding the genotypic and phenotypic spectrum of severe serine biosynthesis disorders. Human Mutation, 2020, 41, 1615-1628.	2.5	14
47	Nuclear Egress Complexes of HCMV and Other Herpesviruses: Solving the Puzzle of Sequence Coevolution, Conserved Structures and Subfamily-Spanning Binding Properties. Viruses, 2020, 12, 683.	3.3	23
48	Rare Loss-of-Function Mutation in SERPINA3 in Generalized Pustular Psoriasis. Journal of Investigative Dermatology, 2020, 140, 1451-1455.e13.	0.7	48
49	The CD83 Molecule â€“ An Important Immune Checkpoint. Frontiers in Immunology, 2020, 11, 721.	4.8	86
50	The peptidyl-prolyl cis/trans isomerase Pin1 interacts with three early regulatory proteins of human cytomegalovirus. Virus Research, 2020, 285, 198023.	2.2	9
51	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
52	Pathogenic WDFY3 variants cause neurodevelopmental disorders and opposing effects on brain size. Brain, 2019, 142, 2617-2630.	7.6	31
53	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
54	Solution structure of the autophagy-related protein LC3C reveals a polyproline II motif on a mobile tether with phosphorylation site. Scientific Reports, 2019, 9, 14167.	3.3	15

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55	De novo variants in PAK1 lead to intellectual disability with macrocephaly and seizures. Brain, 2019, 142, 3351-3359.	7.6	29
56	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
57	A Multiple Piccolino-RIBEYE Interaction Supports Plate-Shaped Synaptic Ribbons in Retinal Neurons. Journal of Neuroscience, 2019, 39, 2606-2619.	3.6	27
58	A Metadynamics-Based Protocol for the Determination of GPCR-Ligand Binding Modes. International Journal of Molecular Sciences, 2019, 20, 1970.	4.1	17
59	Elucidation of the phenotypic spectrum and genetic landscape in primary and secondary microcephaly. Genetics in Medicine, 2019, 21, 2043-2058.	2.4	57
60	Cyclins B1, T1, and H differ in their molecular mode of interaction with cytomegalovirus protein kinase pUL97. Journal of Biological Chemistry, 2019, 294, 6188-6203.	3.4	19
61	Further corroboration of distinct functional features in SCN2A variants causing intellectual disability or epileptic phenotypes. Molecular Medicine, 2019, 25, 6.	4.4	42
62	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
63	Evolutionary conserved networks of human height identify multiple Mendelian causes of short stature. European Journal of Human Genetics, 2019, 27, 1061-1071.	2.8	11
64	T4SS-dependent TLR5 activation by Helicobacter pylori infection. Nature Communications, 2019, 10, 5717.	12.8	56
65	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
66	De Novo Variants in MAPK8IP3 Cause Intellectual Disability with Variable Brain Anomalies. American Journal of Human Genetics, 2019, 104, 203-212.	6.2	44
67	Loss of function of SVBP leads to autosomal recessive intellectual disability, microcephaly, ataxia, and hypotonia. Genetics in Medicine, 2019, 21, 1790-1796.	2.4	23
68	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
69	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
70	The degenerin region of the human bile acid-sensitive ion channel (BASIC) is involved in channel inhibition by calcium and activation by bile acids. Pflugers Archiv European Journal of Physiology, 2018, 470, 1087-1102.	2.8	8
71	Interaction of Glycolipids with the Macrophage Surface Receptor Mincle â€“ a Systematic Molecular Dynamics Study. Scientific Reports, 2018, 8, 5374.	3.3	10
72	Structure-based functional analysis of effector protein SifA in living cells reveals motifs important for Salmonella intracellular proliferation. International Journal of Medical Microbiology, 2018, 308, 84-96.	3.6	4

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73	Clinical relevance of systematic phenotyping and exome sequencing in patients with short stature. Genetics in Medicine, 2018, 20, 630-638.	2.4	101
74	Evidence for genetic overlap between adult onset Stillâ€™s disease and hereditary periodic fever syndromes. Rheumatology International, 2018, 38, 111-120.	3.0	20
75	The genetic basis for most patients with pustular skin disease remains elusive. British Journal of Dermatology, 2018, 178, 740-748.	1.5	82
76	Application of Methods from Information Theory in Protein-Interaction Analysis. Lecture Notes in Bioengineering, 2018, , 293-313.	0.4	0
77	Binding of histamine to the H1 receptorâ€"a molecular dynamics study. Journal of Molecular Modeling, 2018, 24, 346.	1.8	9
78	Conformational Dynamics of Herpesviral NEC Proteins in Different Oligomerization States. International Journal of Molecular Sciences, 2018, 19, 2908.	4.1	9
79	The C-terminal coiled-coil domain of Corynebacterium diphtheriae DIP0733 is crucial for interaction with epithelial cells and pathogenicity in invertebrate animal model systems. BMC Microbiology, 2018, 18, 106.	3.3	9
80	Analysis of naturally occurring mutations in the human uptake transporter NaCT important for bone and brain development and energy metabolism. Scientific Reports, 2018, 8, 11330.	3.3	24
81	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
82	Amino-Terminal Processing of Helicobacter pylori Serine Protease HtrA: Role in Oligomerization and Activity Regulation. Frontiers in Microbiology, 2018, 9, 642.	3.5	29
83	Human Cytomegalovirus Nuclear Capsids Associate with the Core Nuclear Egress Complex and the Viral Protein Kinase pUL97. Viruses, 2018, 10, 35.	3.3	26
84	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
85	IFN-Î³-response mediator GBP-1 represses human cell proliferation by inhibiting the Hippo signaling transcription factor TEAD. Biochemical Journal, 2018, 475, 2955-2967.	3.7	12
86	Probing the role of intercalating protein sidechains for kink formation in DNA. PLoS ONE, 2018, 13, e0192605.	2.5	8
87	Diagnostic Yield and Novel Candidate Genes by Exome Sequencing in 152 Consanguineous Families With Neurodevelopmental Disorders. JAMA Psychiatry, 2017, 74, 293.	11.0	186
88	A Homozygous Mutation in GPT2 Associated with Nonsyndromic Intellectual Disability in a Consanguineous Family from Costa Rica. JIMD Reports, 2017, 36, 59-66.	1.5	6
89	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
90	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

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91	Confirmation of mutations inPROSCas a novel cause of vitamin B_₆-dependent epilepsy. Journal of Medical Genetics, 2017, 54, 809-814.	3.2	66
92	Crystal Structure of the Extracellular Domain of the Human Dendritic Cell Surface Marker CD83. Journal of Molecular Biology, 2017, 429, 1227-1243.	4.2	11
93	Genetic screening confirms heterozygous mutations in ACAN as a major cause of idiopathic short stature. Scientific Reports, 2017, 7, 12225.	3.3	53
94	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
95	AMPA-receptor specific biogenesis complexes control synaptic transmission and intellectual ability. Nature Communications, 2017, 8, 15910.	12.8	77
96	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
97	Structural and functional dissection reveals distinct roles of Ca2+-binding sites in the giant adhesin SiiE of Salmonella enterica. PLoS Pathogens, 2017, 13, e1006418.	4.7	18
98	Protective capacity of neutralizing and non-neutralizing antibodies against glycoprotein B of cytomegalovirus. PLoS Pathogens, 2017, 13, e1006601.	4.7	91
99	Dynamic regulatory interaction between cytomegalovirus major tegument protein pp65 and protein kinase pUL97 in intracellular compartments, dense bodies and virions. Journal of General Virology, 2017, 98, 2850-2863.	2.9	8
100	Probing the potential of CnaB-type domains for the design of tag/catcher systems. PLoS ONE, 2017, 12, e0179740.	2.5	21
101	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
102	Proteomic Interaction Patterns between Human Cyclins, the Cyclin-Dependent Kinase Ortholog pUL97 and Additional Cytomegalovirus Proteins. Viruses, 2016, 8, 219.	3.3	19
103	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
104	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
105	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
106	Analysis of amino acid residues in the predicted transmembrane pore influencing transport kinetics of the hepatic drug transporter organic anion transporting polypeptide 1B1 (OATP1B1). Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2894-2902.	2.6	4
107	Expanding the clinical spectrum of COL1A1 mutations in different forms of glaucoma. Orphanet Journal of Rare Diseases, 2016, 11, 108.	2.7	26
108	Channel estimation techniques for diffusion-based molecular communications. , 2016, , .		8

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109	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
110	Channel Estimation for Diffusive Molecular Communications. IEEE Transactions on Communications, 2016, , 1-1.	7.8	78
111	Mimicking titration experiments with MD simulations: A protocol for the investigation of pH-dependent effects on proteins. Scientific Reports, 2016, 6, 22523.	3.3	22
112	Probing the Structure of the Escherichia coli Periplasmic Proteins HdeA and YmgD by Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2016, 120, 11845-11855.	2.6	4
113	SPATA5 mutations cause a distinct autosomal recessive phenotype of intellectual disability, hypotonia and hearing loss. Orphanet Journal of Rare Diseases, 2016, 11, 130.	2.7	19
114	Modulation of Recombinant Human Î±1 Glycine Receptors by Mono- and Disaccharides: A Kinetic Study. ACS Chemical Neuroscience, 2016, 7, 1077-1087.	3.5	13
115	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
116	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
117	Amyloid-Î² dimers in the absence of plaque pathology impair learning and synaptic plasticity. Brain, 2016, 139, 509-525.	7.6	74
118	Investigation of the dynamics of the viral immediate-early protein 1 in different conformations and oligomerization states. Journal of Biomolecular Structure and Dynamics, 2016, 34, 1029-1041.	3.5	3
119	N⁸â€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
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 modeling strategy for G-protein coupled receptors. AIMS Biophysics, 2016, 3, 211-231.	0.6	1
122	DYNC2LI1 mutations broaden the clinical spectrum of dynein-2 defects. Scientific Reports, 2015, 5, 11649.	3.3	28
123	A severe congenital myasthenic syndrome with â€œdropped headâ€•caused by novel MUSK mutations. Muscle and Nerve, 2015, 52, 668-673.	2.2	21
124	The Interaction between Cyclin B1 and Cytomegalovirus Protein Kinase pUL97 is Determined by an Active Kinase Domain. Viruses, 2015, 7, 4582-4601.	3.3	17
125	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
126	Identification of mutations in DYNC2LI1, a member of the mammalian cytoplasmic dynein 2 complex, expands the clinical spectrum of Jeune/ATD ciliopathies. Cilia, 2015, 4, .	1.8	1

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127	Whole exome sequencing reveals a novel de novo FOXC1 mutation in a patient with unrecognized Axenfeldâ€“Rieger syndrome and glaucoma. Gene, 2015, 568, 76-80.	2.2	10
128	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
129	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
130	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
131	Binding properties of SUMO-interacting motifs (SIMs) in yeast. Journal of Molecular Modeling, 2015, 21, 50.	1.8	13
132	MAP4-Dependent Regulation of Microtubule Formation Affects Centrosome, Cilia, and Golgi Architecture as a Central Mechanism in Growth Regulation. Human Mutation, 2015, 36, 87-97.	2.5	21
133	Inhibition of RAS Activation Due to a Homozygous Ezrin Variant in Patients with Profound Intellectual Disability. Human Mutation, 2015, 36, 270-278.	2.5	18
134	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
135	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
136	CD83 and GRASP55 interact in human dendritic cells. Biochemical and Biophysical Research Communications, 2015, 459, 42-48.	2.1	18
137	Responsiveness of B cells is regulated by the hinge region of IgD. Nature Immunology, 2015, 16, 534-543.	14.5	98
138	Identification of a Neutralizing Epitope within Antigenic Domain 5 of Glycoprotein B of Human Cytomegalovirus. Journal of Virology, 2015, 89, 361-372.	3.4	24
139	Synthetic Peptides as Protein Mimics. Frontiers in Bioengineering and Biotechnology, 2015, 3, 211.	4.1	113
140	A Computational Study of the Structure and Dynamics of the E. coli Transcription Factor RfaH. Current Biotechnology, 2015, 4, 26-38.	0.4	0
141	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
142	Single Expressed Glycine Receptor Domains Reconstitute Functional Ion Channels without Subunit-specific Desensitization Behavior. Journal of Biological Chemistry, 2014, 289, 29135-29147.	3.4	8
143	Gene dosage-dependent rescue of HSP neurite defects in SPG4 patients' neurons. Human Molecular Genetics, 2014, 23, 2527-2541.	2.9	111
144	Null Mutation in PGAP1 Impairing Gpi-Anchor Maturation in Patients with Intellectual Disability and Encephalopathy. PLoS Genetics, 2014, 10, e1004320.	3.5	72

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145	Structural Basis for the Recognition of Human Cytomegalovirus Glycoprotein B by a Neutralizing Human Antibody. PLoS Pathogens, 2014, 10, e1004377.	4.7	41
146	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
147	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
148	The clinical significance of small copy number variants in neurodevelopmental disorders. Journal of Medical Genetics, 2014, 51, 677-688.	3.2	72
149	Mutations in herpes simplex virus gD protein affect receptor binding by different molecular mechanisms. Journal of Molecular Modeling, 2014, 20, 2192.	1.8	8
150	Expanding the clinical and mutational spectrum of Kaufman oculocerebrofacial syndrome with biallelic UBE3B mutations. Human Genetics, 2014, 133, 939-949.	3.8	29
151	A tight lower bound on the mutual information of a binary and an arbitrary finite random variable as a function of the variational distance. , 2014, , .		2
152	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
153	DAPK-HSF1 interaction as a new positive feedback loop for TNF-induced apoptosis in colorectal cancer cells. Journal of Cell Science, 2014, 127, 5273-87.	2.0	20
154	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
155	Proteomic Analysis of the Multimeric Nuclear Egress Complex of Human Cytomegalovirus. Molecular and Cellular Proteomics, 2014, 13, 2132-2146.	3.8	79
156	NDST1 missense mutations in autosomal recessive intellectual disability. American Journal of Medical Genetics, Part A, 2014, 164, 2753-2763.	1.2	34
157	The Conformational Stability of Nonfibrillar Amyloid-Î² Peptide Oligomers Critically Depends on the C-Terminal Peptide Length. ACS Chemical Neuroscience, 2014, 5, 161-167.	3.5	21
158	Is there a sodium effect in fibrillar amyloid-Î² oligomers?. Journal of Cheminformatics, 2014, 6, .	6.1	1
159	Validation of the reliability of computational O-GlcNAc prediction. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 416-421.	2.3	28
160	Molecular mechanism of HIV-1 gp120 mutations that reduce CD4 binding affinity. Journal of Biomolecular Structure and Dynamics, 2014, 32, 52-64.	3.5	1
161	Confidence intervals for the mutual information. International Journal of Machine Intelligence and Sensory Signal Processing, 2014, 1, 201.	0.2	3
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