Lilia M Iakoucheva

List of Publications by Year
in descending order

56 papers	16,500 citations	81743 39 h-index	149479 56 g-index
66 all docs	66 docs citations	66 times ranked	23515 citing authors

#	Article	IF	Citations
1	Intrinsic Disorder and Protein Functionâ€. Biochemistry, 2002, 41, 6573-6582.	1.2	1,605
2	The importance of intrinsic disorder for protein phosphorylation. Nucleic Acids Research, 2004, 32, 1037-1049.	6.5	1,230
3	A Proteome-Scale Map of the Human Interactome Network. Cell, 2014, 159, 1212-1226.	13.5	1,199
4	Intrinsic Disorder in Cell-signaling and Cancer-associated Proteins. Journal of Molecular Biology, 2002, 323, 573-584.	2.0	1,077
5	Flexible nets. The roles of intrinsic disorder in protein interaction networks. FEBS Journal, 2005, 272, 5129-5148.	2.2	1,052
6	Mapping copy number variation by population-scale genome sequencing. Nature, 2011, 470, 59-65.	13.7	991
7	Transcriptome-wide isoform-level dysregulation in ASD, schizophrenia, and bipolar disorder. Science, 2018, 362, .	6.0	805
8	Microduplications of 16p11.2 are associated with schizophrenia. Nature Genetics, 2009, 41, 1223-1227.	9.4	646
9	Intrinsic Disorder and Functional Proteomics. Biophysical Journal, 2007, 92, 1439-1456.	0.2	643
10	Functional Anthology of Intrinsic Disorder. 1. Biological Processes and Functions of Proteins with Long Disordered Regions. Journal of Proteome Research, 2007, 6, 1882-1898.	1.8	525
11	Identification, analysis, and prediction of protein ubiquitination sites. Proteins: Structure, Function and Bioinformatics, 2010, 78, 365-380.	1.5	513
12	Intrinsic Disorder Is a Common Feature of Hub Proteins from Four Eukaryotic Interactomes. PLoS Computational Biology, 2006, 2, e100.	1.5	512
13	Whole-Genome Sequencing in Autism Identifies Hot Spots for De Novo Germline Mutation. Cell, 2012, 151, 1431-1442.	13.5	501
14	Widespread Expansion of Protein Interaction Capabilities by Alternative Splicing. Cell, 2016, 164, 805-817.	13.5	479
15	Two Sample Logo: a graphical representation of the differences between two sets of sequence alignments. Bioinformatics, 2006, 22, 1536-1537.	1.8	468
16	Functional Anthology of Intrinsic Disorder. 3. Ligands, Post-Translational Modifications, and Diseases Associated with Intrinsically Disordered Proteins. Journal of Proteome Research, 2007, 6, 1917-1932.	1.8	369
17	Inferring the molecular and phenotypic impact of amino acid variants with MutPred2. Nature Communications, 2020, 11, 5918.	5.8	305
18	Duplications of the neuropeptide receptor gene VIPR2 confer significant risk for schizophrenia. Nature, 2011, 471, 499-503.	13.7	296

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19	Functional Anthology of Intrinsic Disorder. 2. Cellular Components, Domains, Technical Terms, Developmental Processes, and Coding Sequence Diversities Correlated with Long Disordered Regions. Journal of Proteome Research, 2007, 6, 1899-1916.	1.8	244
20	Unfoldomics of human diseases: linking protein intrinsic disorder with diseases. BMC Genomics, 2009, 10, S7.	1.2	236
21	DisProt: a database of protein disorder. Bioinformatics, 2005, 21, 137-140.	1.8	231
22	Pathological Unfoldomics of Uncontrolled Chaos: Intrinsically Disordered Proteins and Human Diseases. Chemical Reviews, 2014, 114, 6844-6879.	23.0	231
23	Getting to the Cores of Autism. Cell, 2019, 178, 1287-1298.	13.5	204
24	A Protein Domain-Based Interactome Network for C. elegans Early Embryogenesis. Cell, 2008, 134, 534-545.	13.5	196
25	Paternally inherited cis-regulatory structural variants are associated with autism. Science, 2018, 360, 327-331.	6.0	174
26	Spatiotemporal 16p11.2 Protein Network Implicates Cortical Late Mid-Fetal Brain Development and KCTD13-Cul3-RhoA Pathway in Psychiatric Diseases. Neuron, 2015, 85, 742-754.	3.8	139
27	Protein interaction network of alternatively spliced isoforms from brain links genetic risk factors for autism. Nature Communications, 2014, 5, 3650.	5.8	131
28	Combining prediction, computation and experiment for the characterization of protein disorder. Current Opinion in Structural Biology, 2004, 14, 570-576.	2.6	125
29	Disease-Associated Mutations Disrupt Functionally Important Regions of Intrinsic Protein Disorder. PLoS Computational Biology, 2012, 8, e1002709.	1.5	123
30	Identification of intrinsic order and disorder in the DNA repair protein XPA. Protein Science, 2001, 10, 560-571.	3.1	108
31	Serine/arginine-rich splicing factors belong to a class of intrinsically disordered proteins. Nucleic Acids Research, 2006, 34, 305-312.	6.5	102
32	Disease mutations in disordered regionsâ€"exception to the rule?. Molecular BioSystems, 2012, 8, 27-32.	2.9	93
33	Frequency and Complexity of De Novo Structural Mutation in Autism. American Journal of Human Genetics, 2016, 98, 667-679.	2.6	88
34	Aberrant mobility phenomena of the DNA repair protein XPA. Protein Science, 2001, 10, 1353-1362.	3.1	67
35	A phenotypic spectrum of autism is attributable to the combined effects of rare variants, polygenic risk and sex. Nature Genetics, 2022, 54, 1284-1292.	9.4	66
36	Cortical organoids model early brain development disrupted by 16p11.2 copy number variants in autism. Molecular Psychiatry, 2021, 26, 7560-7580.	4.1	61

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37	LOSS OF POST-TRANSLATIONAL MODIFICATION SITES IN DISEASE. , 2009, , 337-347.		56
38	Order, Disorder, and Flexibility. Structure, 2003, 11, 1316-1317.	1.6	55
39	When loss-of-function is loss of function: assessing mutational signatures and impact of loss-of-function genetic variants. Bioinformatics, 2017, 33, i389-i398.	1.8	53
40	Single-Molecule Conformational Dynamics of Fluctuating Noncovalent DNAâ˜'Protein Interactions in DNA Damage Recognition. Journal of the American Chemical Society, 2001, 123, 9184-9185.	6.6	46
41	Graphlet Kernels for Prediction of Functional Residues in Protein Structures. Journal of Computational Biology, 2010, 17, 55-72.	0.8	44
42	Prediction of Intrinsic Disorder and Its Use in Functional Proteomics. Methods in Molecular Biology, 2007, 408, 69-92.	0.4	37
43	RNA association or phosphorylation of the RS domain prevents aggregation of RS domain-containing proteins. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 214-225.	1.1	34
44	Oligogenic Effects of 16p11.2 Copy-Number Variation on Craniofacial Development. Cell Reports, 2019, 28, 3320-3328.e4.	2.9	34
45	Pathogenicity and functional impact of non-frameshifting insertion/deletion variation in the human genome. PLoS Computational Biology, 2019, 15, e1007112.	1.5	34
46	Equilibrium and Stop-Flow Kinetic Studies of Fluorescently Labeled DNA Substrates with DNA Repair Proteins XPA and Replication Protein A. Biochemistry, 2002, 41, 131-143.	1.2	26
47	Autism-linked Cullin3 germline haploinsufficiency impacts cytoskeletal dynamics and cortical neurogenesis through RhoA signaling. Molecular Psychiatry, 2021, 26, 3586-3613.	4.1	26
48	Full-length isoform transcriptome of the developing human brain provides further insights into autism. Cell Reports, 2021, 36, 109631.	2.9	23
49	Predicted disorder-to-order transition mutations in Î²BÎ± disrupt function. Physical Chemistry Chemical Physics, 2014, 16, 6480.	1.3	21
50	Extended X-Ray Absorption Fine Structure Evidence for a Single Metal Binding Domain inXenopus laevisNucleotide Excision Repair Protein XPA. Biochemical and Biophysical Research Communications, 1999, 254, 109-113.	1.0	15
51	Nucleotide Excision Repair in Oocyte Nuclear Extracts from Xenopus laevis. Methods, 2000, 22, 188-193.	1.9	6
52	Comprehensive Analyses of Tissue-Specific Networks with Implications to Psychiatric Diseases. Methods in Molecular Biology, 2017, 1613, 371-402.	0.4	5
53	A Protein Domain-Based Interactome Network for C.Âelegans Early Embryogenesis. Cell, 2012, 151, 1633.	13.5	4
54	Prioritizing de novo autism risk variants with calibrated gene- and variant-scoring models. Human Genetics, 2021, , 1.	1.8	1

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55	Oligogenic Effects of 16p11.2 Copy Number Variation on Craniofacial Development. SSRN Electronic Journal, 0, , .	0.4	1
56	Prioritizing Disease Genes and Understanding Disease Pathways. , 2009, , 239-256.		0