Sarah E Bondos

List of Publications by Year
in descending order

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42 papers	1,453 citations	394421 19 h-index	345221 36 g-index
43 all docs	43 docs citations	43 times ranked	1848 citing authors

#	Article	IF	Citations
1	Whatâ€™s in a name? Why these proteins are intrinsically disordered. Intrinsically Disordered Proteins, 2013, 1, e24157.	1.9	226
2	Detection and prevention of protein aggregation before, during, and after purification. Analytical Biochemistry, 2003, 316, 223-231.	2.4	201
3	Dynamic proteinâ€“DNA recognition: beyond what can be seen. Trends in Biochemical Sciences, 2011, 36, 415-423.	7.5	137
4	Intrinsically disordered proteins and multicellular organisms. Seminars in Cell and Developmental Biology, 2015, 37, 44-55.	5.0	128
5	Rethinking gene regulatory networks in light of alternative splicing, intrinsically disordered protein domains, and post-translational modifications. Frontiers in Cell and Developmental Biology, 2015, 3, 8.	3.7	96
6	Multiple Intrinsically Disordered Sequences Alter DNA Binding by the Homeodomain of the Drosophila Hox Protein Ultrabithorax. Journal of Biological Chemistry, 2008, 283, 20874-20887.	3.4	81
7	Intrinsically disordered proteins play diverse roles in cell signaling. Cell Communication and Signaling, 2022, 20, 20.	6.5	68
8	On the roles of intrinsically disordered proteins and regions in cell communication and signaling. Cell Communication and Signaling, 2021, 19, 88.	6.5	57
9	Physical and Genetic Interactions Link Hox Function with Diverse Transcription Factors and Cell Signaling Proteins. Molecular and Cellular Proteomics, 2006, 5, 824-834.	3.8	47
10	CDK8-Cyclin C Mediates Nutritional Regulation of Developmental Transitions through the Ecdysone Receptor in Drosophila. PLoS Biology, 2015, 13, e1002207.	5.6	38
11	Internal Regulatory Interactions Determine DNA Binding Specificity by a Hox Transcription Factor. Journal of Molecular Biology, 2009, 390, 760-774.	4.2	36
12	Methods for Measuring Protein Aggregation. Current Analytical Chemistry, 2006, 2, 157-170.	1.2	31
13	On the Design of Composite Proteinâ€“Quantum Dot Biomaterials via Self-Assembly. Biomacromolecules, 2011, 12, 3629-3637.	5.4	26
14	High-pressure denaturation of apomyoglobin. BBA - Proteins and Proteomics, 2000, 1480, 353-364.	2.1	25
15	Hox Transcription Factor Ultrabithorax Ib Physically and Genetically Interacts with Disconnected Interacting Protein 1, a Double-stranded RNA-binding Protein. Journal of Biological Chemistry, 2004, 279, 26433-26444.	3.4	25
16	Combinatorial Transcriptional Regulation: The Interaction of Transcription Factors and Cell Signaling Molecules with Homeodomain Proteins in Drosophila Development. Critical Reviews in Eukaryotic Gene Expression, 2001, 11, 28.	0.9	23
17	Variations on a Theme: Hox and Wnt Combinatorial Regulation During Animal Development. Science's STKE: Signal Transduction Knowledge Environment, 2006, 2006, pe38-pe38.	3.9	22
18	Transcription Activation by Ultrabithorax Ib Protein Requires a Predicted Î±-Helical Regionâ€. Biochemistry, 2002, 41, 2774-2785.	2.5	21

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19	The Drosophila Transcription Factor Ultrabithorax Self-Assembles into Protein-Based Biomaterials with Multiple Morphologies. Biomacromolecules, 2009, 10, 829-837.	5.4	19
20	Flexibility and Disorder in Gene Regulation: LacI/GalR and Hox Proteins. Journal of Biological Chemistry, 2015, 290, 24669-24677.	3.4	19
21	The Intrinsically Disordered Regions of the Drosophila melanogaster Hox Protein Ultrabithorax Select Interacting Proteins Based on Partner Topology. PLoS ONE, 2014, 9, e108217.	2.5	16
22	Size Dictates Mechanical Properties for Protein Fibers Self-Assembled by the Drosophila Hox Transcription Factor Ultrabithorax. Biomacromolecules, 2010, 11, 3644-3651.	5.4	15
23	Functionalization and Patterning of Proteinâ€Based Materials Using Active Ultrabithorax Chimeras. Advanced Functional Materials, 2011, 21, 2633-2640.	14.9	13
24	Identifying Solubility-Promoting Buffers for Intrinsically Disordered Proteins Prior to Purification. , 2012, 896, 415-427.		10
25	Roles for Intrinsic Disorder and Fuzziness in Generating Context-specific Function in Ultrabithorax, a Hox Transcription Factor. Advances in Experimental Medicine and Biology, 2012, 725, 86-105.	1.6	10
26	Team-teaching a current events-based biology course for nonmajors. Biochemistry and Molecular Biology Education, 2008, 36, 22-27.	1.2	8
27	The Effect of Protein Fusions on the Production and Mechanical Properties of Proteinâ€Based Materials. Advanced Functional Materials, 2015, 25, 1442-1450.	14.9	8
28	Materials composed of theDrosophila melanogasterprotein ultrabithorax are cytocompatible. Journal of Biomedical Materials Research - Part A, 2014, 102, 97-104.	4.0	7
29	Identification of Multiple Dityrosine Bonds in Materials Composed of the Drosophila Protein Ultrabithorax. Advanced Functional Materials, 2015, 25, 5988-5998.	14.9	7
30	Functionalization of Ultrabithorax Materials with Vascular Endothelial Growth Factor Enhances Angiogenic Activity. Biomacromolecules, 2016, 17, 3558-3569.	5.4	7
31	Materials composed of theDrosophilaHox protein Ultrabithorax are biocompatible and nonimmunogenic. Journal of Biomedical Materials Research - Part A, 2015, 103, 1546-1553.	4.0	6
32	Media composition influences yeast one- and two-hybrid results. Biological Procedures Online, 2011, 13, 6.	2.9	4
33	Culture of Tumorigenic Cells on Protein Fibers Reveals Metastatic Cell Behaviors. Biomacromolecules, 2016, 17, 3790-3799.	5.4	4
34	Evolution of the activation domain in a Hox transcription factor. International Journal of Developmental Biology, 2018, 62, 745-753.	0.6	4
35	Context-dependent HOX transcription factor function in health and disease. Progress in Molecular Biology and Translational Science, 2020, 174, 225-262.	1.7	4
36	Measuring Hox-DNA Binding by Electrophoretic Mobility Shift Analysis. Methods in Molecular Biology, 2014, 1196, 211-230.	0.9	3

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37	Reverse Regulation: Controlling Intrinsically Disordered Domains with Structured Elements. Biophysical Journal, 2010, 98, 258a.	0.5	0
38	Generating Context-Specific Functions with Intrinsically Disordered Domains. Biophysical Journal, 2011, 100, 185a.	0.5	0
39	Ultrabithorax, an Intrinsically Disordered Protein, Selects Protein Interactions by Topology. Biophysical Journal, 2012, 102, 633a.	0.5	0
40	Mechanically-Tunable, Protein-Based Materials Can be Functionalized with Other Proteins and with DNA. Biophysical Journal, 2016, 110, 338a.	0.5	0
41	Separating full-length protein from aggregating proteolytic products using filter flow-through purification. Analytical Biochemistry, 2016, 514, 8-11.	2.4	0
42	Generating Novel Materials Using the Intrinsically Disordered Protein Ubx. Methods in Enzymology, 2018, 611, 583-605.	1.0	0