

Sarah E Bondos

List of Publications by Year in descending order

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docs citations

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times ranked

1848
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#	ARTICLE	IF	CITATIONS
1	Intrinsically disordered proteins play diverse roles in cell signaling. <i>Cell Communication and Signaling</i> , 2022, 20, 20.	6.5	68
2	On the roles of intrinsically disordered proteins and regions in cell communication and signaling. <i>Cell Communication and Signaling</i> , 2021, 19, 88.	6.5	57
3	Context-dependent HOX transcription factor function in health and disease. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 174, 225-262.	1.7	4
4	Evolution of the activation domain in a Hox transcription factor. <i>International Journal of Developmental Biology</i> , 2018, 62, 745-753.	0.6	4
5	Generating Novel Materials Using the Intrinsically Disordered Protein Ubx. <i>Methods in Enzymology</i> , 2018, 611, 583-605.	1.0	0
6	Mechanically-Tunable, Protein-Based Materials Can be Functionalized with Other Proteins and with DNA. <i>Biophysical Journal</i> , 2016, 110, 338a.	0.5	0
7	Culture of Tumorigenic Cells on Protein Fibers Reveals Metastatic Cell Behaviors. <i>Biomacromolecules</i> , 2016, 17, 3790-3799.	5.4	4
8	Separating full-length protein from aggregating proteolytic products using filter flow-through purification. <i>Analytical Biochemistry</i> , 2016, 514, 8-11.	2.4	0
9	Functionalization of Ultrabithorax Materials with Vascular Endothelial Growth Factor Enhances Angiogenic Activity. <i>Biomacromolecules</i> , 2016, 17, 3558-3569.	5.4	7
10	Rethinking gene regulatory networks in light of alternative splicing, intrinsically disordered protein domains, and post-translational modifications. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 8.	3.7	96
11	Identification of Multiple Dityrosine Bonds in Materials Composed of the <i>Drosophila</i> Protein Ultrabithorax. <i>Advanced Functional Materials</i> , 2015, 25, 5988-5998.	14.9	7
12	Materials composed of the <i>Drosophila</i> Hox protein Ultrabithorax are biocompatible and nonimmunogenic. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1546-1553.	4.0	6
13	CDK8-Cyclin C Mediates Nutritional Regulation of Developmental Transitions through the Ecdysone Receptor in <i>Drosophila</i> . <i>PLoS Biology</i> , 2015, 13, e1002207.	5.6	38
14	The Effect of Protein Fusions on the Production and Mechanical Properties of Protein-Based Materials. <i>Advanced Functional Materials</i> , 2015, 25, 1442-1450.	14.9	8
15	Flexibility and Disorder in Gene Regulation: LacI/GalR and Hox Proteins. <i>Journal of Biological Chemistry</i> , 2015, 290, 24669-24677.	3.4	19
16	Intrinsically disordered proteins and multicellular organisms. <i>Seminars in Cell and Developmental Biology</i> , 2015, 37, 44-55.	5.0	128
17	Materials composed of the <i>Drosophila melanogaster</i> protein ultrabithorax are cytocompatible. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 97-104.	4.0	7
18	Measuring Hox-DNA Binding by Electrophoretic Mobility Shift Analysis. <i>Methods in Molecular Biology</i> , 2014, 1196, 211-230.	0.9	3

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19	The Intrinsically Disordered Regions of the <i>Drosophila melanogaster</i> Hox Protein Ultrabithorax Select Interacting Proteins Based on Partner Topology. <i>PLoS ONE</i> , 2014, 9, e108217.	2.5	16
20	Whatâ€™s in a name? Why these proteins are intrinsically disordered. <i>Intrinsically Disordered Proteins</i> , 2013, 1, e24157.	1.9	226
21	Identifying Solubility-Promoting Buffers for Intrinsically Disordered Proteins Prior to Purification. , 2012, 896, 415-427.		10
22	Ultrabithorax, an Intrinsically Disordered Protein, Selects Protein Interactions by Topology. <i>Biophysical Journal</i> , 2012, 102, 633a.	0.5	0
23	Roles for Intrinsic Disorder and Fuzziness in Generating Context-specific Function in Ultrabithorax, a Hox Transcription Factor. <i>Advances in Experimental Medicine and Biology</i> , 2012, 725, 86-105.	1.6	10
24	On the Design of Composite Proteinâ€“Quantum Dot Biomaterials via Self-Assembly. <i>Biomacromolecules</i> , 2011, 12, 3629-3637.	5.4	26
25	Generating Context-Specific Functions with Intrinsically Disordered Domains. <i>Biophysical Journal</i> , 2011, 100, 185a.	0.5	0
26	Dynamic proteinâ€“DNA recognition: beyond what can be seen. <i>Trends in Biochemical Sciences</i> , 2011, 36, 415-423.	7.5	137
27	Media composition influences yeast one- and two-hybrid results. <i>Biological Procedures Online</i> , 2011, 13, 6.	2.9	4
28	Functionalization and Patterning of Proteinâ€“Based Materials Using Active Ultrabithorax Chimeras. <i>Advanced Functional Materials</i> , 2011, 21, 2633-2640.	14.9	13
29	Size Dictates Mechanical Properties for Protein Fibers Self-Assembled by the <i>Drosophila</i> Hox Transcription Factor Ultrabithorax. <i>Biomacromolecules</i> , 2010, 11, 3644-3651.	5.4	15
30	Reverse Regulation: Controlling Intrinsically Disordered Domains with Structured Elements. <i>Biophysical Journal</i> , 2010, 98, 258a.	0.5	0
31	The <i>Drosophila</i> Transcription Factor Ultrabithorax Self-Assembles into Protein-Based Biomaterials with Multiple Morphologies. <i>Biomacromolecules</i> , 2009, 10, 829-837.	5.4	19
32	Internal Regulatory Interactions Determine DNA Binding Specificity by a Hox Transcription Factor. <i>Journal of Molecular Biology</i> , 2009, 390, 760-774.	4.2	36
33	Team-teaching a current events-based biology course for nonmajors. <i>Biochemistry and Molecular Biology Education</i> , 2008, 36, 22-27.	1.2	8
34	Multiple Intrinsically Disordered Sequences Alter DNA Binding by the Homeodomain of the <i>Drosophila</i> Hox Protein Ultrabithorax. <i>Journal of Biological Chemistry</i> , 2008, 283, 20874-20887.	3.4	81
35	Variations on a Theme: Hox and Wnt Combinatorial Regulation During Animal Development. <i>Science's STKE: Signal Transduction Knowledge Environment</i> , 2006, 2006, pe38-pe38.	3.9	22
36	Methods for Measuring Protein Aggregation. <i>Current Analytical Chemistry</i> , 2006, 2, 157-170.	1.2	31

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37	Physical and Genetic Interactions Link Hox Function with Diverse Transcription Factors and Cell Signaling Proteins. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 824-834.	3.8	47
38	Hox Transcription Factor Ultrabithorax Ib Physically and Genetically Interacts with Disconnected Interacting Protein 1, a Double-stranded RNA-binding Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 26433-26444.	3.4	25
39	Detection and prevention of protein aggregation before, during, and after purification. <i>Analytical Biochemistry</i> , 2003, 316, 223-231.	2.4	201
40	Transcription Activation by Ultrabithorax Ib Protein Requires a Predicted α -Helical Region. <i>Biochemistry</i> , 2002, 41, 2774-2785.	2.5	21
41	Combinatorial Transcriptional Regulation: The Interaction of Transcription Factors and Cell Signaling Molecules with Homeodomain Proteins in <i>Drosophila</i> Development. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2001, 11, 28.	0.9	23
42	High-pressure denaturation of apomyoglobin. <i>BBA - Proteins and Proteomics</i> , 2000, 1480, 353-364.	2.1	25