

Robert M Vernon

List of Publications by Year in descending order

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16
papers

2,007
citations

687363

13
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

2748
citing authors

#	ARTICLE	IF	CITATIONS
1	Folding of an intrinsically disordered protein by phosphorylation as a regulatory switch. <i>Nature</i> , 2015, 519, 106-109.	27.8	471
2	RGG/RC Motif Regions in RNA Binding and Phase Separation. <i>Journal of Molecular Biology</i> , 2018, 430, 4650-4665.	4.2	297
3	Properties of Stress Granule and P-Body Proteomes. <i>Molecular Cell</i> , 2019, 76, 286-294.	9.7	258
4	Phosphoregulated FMRP phase separation models activity-dependent translation through bidirectional control of mRNA granule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4218-4227.	7.1	249
5	Phospho-dependent phase separation of FMRP and CAPRIN1 recapitulates regulation of translation and deadenylation. <i>Science</i> , 2019, 365, 825-829.	12.6	240
6	Comparative roles of charge, π - π , and hydrophobic interactions in sequence-dependent phase separation of intrinsically disordered proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28795-28805.	7.1	159
7	First-generation predictors of biological protein phase separation. <i>Current Opinion in Structural Biology</i> , 2019, 58, 88-96.	5.7	119
8	Temperature, Hydrostatic Pressure, and Osmolyte Effects on Liquid-Liquid Phase Separation in Protein Condensates: Physical Chemistry and Biological Implications. <i>Chemistry - A European Journal</i> , 2019, 25, 13049-13069.	3.3	96
9	Physiologically Important Electrolytes as Regulators of TDP-43 Aggregation and Droplet-Phase Behavior. <i>Biochemistry</i> , 2019, 58, 590-607.	2.5	24
10	Translating Material Science into Biological Function. <i>Molecular Cell</i> , 2019, 75, 1-2.	9.7	23
11	Deletion of Phenylalanine 508 in the First Nucleotide-binding Domain of the Cystic Fibrosis Transmembrane Conductance Regulator Increases Conformational Exchange and Inhibits Dimerization. <i>Journal of Biological Chemistry</i> , 2015, 290, 22862-22878.	3.4	20
12	Non-cooperative 4E-BP2 folding with exchange between eIF4E-binding and binding-incompatible states tunes cap-dependent translation inhibition. <i>Nature Communications</i> , 2020, 11, 3146.	12.8	17
13	Stabilization of a nucleotide-binding domain of the cystic fibrosis transmembrane conductance regulator yields insight into disease-causing mutations. <i>Journal of Biological Chemistry</i> , 2017, 292, 14147-14164.	3.4	15
14	Configurational Entropy of Folded Proteins and Its Importance for Intrinsically Disordered Proteins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3420.	4.1	10
15	Global Proximity Interactome of the Human Macroautophagy Pathway. <i>Autophagy</i> , 2022, 18, 1174-1186.	9.1	9
16	Frontispiece: Temperature, Hydrostatic Pressure, and Osmolyte Effects on Liquid-Liquid Phase Separation in Protein Condensates: Physical Chemistry and Biological Implications. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	0