Erik W Martin

List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	3,573 citations	471509 17 h-index	526287 27 g-index
34 all docs	34 docs citations	34 times ranked	3368 citing authors

#	Article	IF	Citations
1	G3BP1 Is a Tunable Switch that Triggers Phase Separation to Assemble Stress Granules. Cell, 2020, 181, 325-345.e28.	28.9	697
2	Valence and patterning of aromatic residues determine the phase behavior of prion-like domains. Science, 2020, 367, 694-699.	12.6	675
3	A single Nâ€terminal phosphomimic disrupts TDPâ€43 polymerization, phase separation, and RNA splicing. EMBO Journal, 2018, 37, .	7.8	297
4	Cancer Mutations of the Tumor Suppressor SPOP Disrupt the Formation of Active, Phase-Separated Compartments. Molecular Cell, 2018, 72, 19-36.e8.	9.7	286
5	Relationship of Sequence and Phase Separation in Protein Low-Complexity Regions. Biochemistry, 2018, 57, 2478-2487.	2.5	273
6	Sequence Determinants of the Conformational Properties of an Intrinsically Disordered Protein Prior to and upon Multisite Phosphorylation. Journal of the American Chemical Society, 2016, 138, 15323-15335.	13.7	217
7	Deciphering how naturally occurring sequence features impact the phase behaviours of disordered prion-like domains. Nature Chemistry, 2022, 14, 196-207.	13.6	216
8	Intrinsically disordered protein regions and phase separation: sequence determinants of assembly or lack thereof. Emerging Topics in Life Sciences, 2020, 4, 307-329.	2.6	159
9	Conformational Ensembles of an Intrinsically Disordered Protein Consistent with NMR, SAXS, and Single-Molecule FRET. Journal of the American Chemical Society, 2020, 142, 15697-15710.	13.7	120
10	Interplay of folded domains and the disordered low-complexity domain in mediating hnRNPA1 phase separation. Nucleic Acids Research, 2021, 49, 2931-2945.	14.5	81
11	A multi-step nucleation process determines the kinetics of prion-like domain phase separation. Nature Communications, 2021, 12, 4513.	12.8	73
12	A two-helix motif positions the lysophosphatidic acid acyltransferase active site for catalysis within the membrane bilayer. Nature Structural and Molecular Biology, 2017, 24, 666-671.	8.2	64
13	Imaging Single Retrovirus Entry through Alternative Receptor Isoforms and Intermediates of Virus-Endosome Fusion. PLoS Pathogens, 2011, 7, e1001260.	4.7	55
14	Prostasin Is Required for Matriptase Activation in Intestinal Epithelial Cells to Regulate Closure of the Paracellular Pathway. Journal of Biological Chemistry, 2013, 288, 10328-10337.	3.4	49
15	Protein Network Structure Enables Switching between Liquid and Gel States. Journal of the American Chemical Society, 2020, 142, 874-883.	13.7	43
16	Integrative analysis suggests cell typeâ€“specific decoding of NF-ÎºB dynamics. Science Signaling, 2020, 13, .	3.6	33
17	Proteolytic Activation of the Protease-activated Receptor (PAR)-2 by the Glycosylphosphatidylinositol-anchored Serine Protease Testisin. Journal of Biological Chemistry, 2015, 290, 3529-3541.	3.4	28
18	Small-angle X-ray scattering experiments of monodisperse intrinsically disordered protein samples close to the solubility limit. Methods in Enzymology, 2021, 646, 185-222.	1.0	24

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19	Dwelling at membranes promotes decisive signaling. Science, 2019, 363, 1036-1037.	12.6	18
20	Inflammatory cytokines down-regulate the barrier-protective prostasin-matriptase proteolytic cascade early in experimental colitis. Journal of Biological Chemistry, 2017, 292, 10801-10812.	3.4	17
21	PRSS21/testisin inhibits ovarian tumor metastasis and antagonizes proangiogenic angiopoietins ANG2 and ANGPTL4. Journal of Molecular Medicine, 2019, 97, 691-709.	3.9	15
22	Walking Along a Protein Phase Diagram to Determine Coexistence Points by Static Light Scattering. Methods in Molecular Biology, 2020, 2141, 715-730.	0.9	14
23	Challenges of Decoding Transcription Factor Dynamics in Terms of Gene Regulation. Cells, 2018, 7, 132.	4.1	13
24	Targeting the membrane-anchored serine protease testisin with a novel engineered anthrax toxin prodrug to kill tumor cells and reduce tumor burden. Oncotarget, 2015, 6, 33534-33553.	1.8	12
25	Co-Encapsulating the Fusogenic Peptide INF7 and Molecular Imaging Probes in Liposomes Increases Intracellular Signal and Probe Retention. PLoS ONE, 2015, 10, e0120982.	2.5	10
26	Assaying Homodimers of NF-Î¹B in Live Single Cells. Frontiers in Immunology, 2019, 10, 2609.	4.8	7
27	Selective targeting of metastatic ovarian cancer using an engineered anthrax prodrug activated by membrane-anchored serine proteases. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	4
28	Entry Pathways of an Avian Virus into Cells Expressing Transmembrane and GPI-Anchored Receptor Isoforms. Biophysical Journal, 2011, 100, 634a.	0.5	0
29	DESC1 and HAT Peptidases. , 2013, , 2995-3000.		0