

# Erik W Martin

## List of Publications by Year in descending order

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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	Deciphering how naturally occurring sequence features impact the phase behaviours of disordered prion-like domains. <i>Nature Chemistry</i> , 2022, 14, 196-207.	13.6	216
2	Selective targeting of metastatic ovarian cancer using an engineered anthrax prodrug activated by membrane-anchored serine proteases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	4
3	Small-angle X-ray scattering experiments of monodisperse intrinsically disordered protein samples close to the solubility limit. <i>Methods in Enzymology</i> , 2021, 646, 185-222.	1.0	24
4	Interplay of folded domains and the disordered low-complexity domain in mediating hnRNPA1 phase separation. <i>Nucleic Acids Research</i> , 2021, 49, 2931-2945.	14.5	81
5	A multi-step nucleation process determines the kinetics of prion-like domain phase separation. <i>Nature Communications</i> , 2021, 12, 4513.	12.8	73
6	Protein Network Structure Enables Switching between Liquid and Gel States. <i>Journal of the American Chemical Society</i> , 2020, 142, 874-883.	13.7	43
7	Conformational Ensembles of an Intrinsically Disordered Protein Consistent with NMR, SAXS, and Single-Molecule FRET. <i>Journal of the American Chemical Society</i> , 2020, 142, 15697-15710.	13.7	120
8	Valence and patterning of aromatic residues determine the phase behavior of prion-like domains. <i>Science</i> , 2020, 367, 694-699.	12.6	675
9	Integrative analysis suggests cell type-specific decoding of NF- $\kappa$ B dynamics. <i>Science Signaling</i> , 2020, 13, .	3.6	33
10	G3BP1 Is a Tunable Switch that Triggers Phase Separation to Assemble Stress Granules. <i>Cell</i> , 2020, 181, 325-345.e28.	28.9	697
11	Walking Along a Protein Phase Diagram to Determine Coexistence Points by Static Light Scattering. <i>Methods in Molecular Biology</i> , 2020, 2141, 715-730.	0.9	14
12	Intrinsically disordered protein regions and phase separation: sequence determinants of assembly or lack thereof. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 307-329.	2.6	159
13	Assaying Homodimers of NF- $\kappa$ B in Live Single Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2609.	4.8	7
14	Dwelling at membranes promotes decisive signaling. <i>Science</i> , 2019, 363, 1036-1037.	12.6	18
15	PRSS21/testisin inhibits ovarian tumor metastasis and antagonizes proangiogenic angiopoietins ANG2 and ANGPTL4. <i>Journal of Molecular Medicine</i> , 2019, 97, 691-709.	3.9	15
16	Relationship of Sequence and Phase Separation in Protein Low-Complexity Regions. <i>Biochemistry</i> , 2018, 57, 2478-2487.	2.5	273
17	A single N-terminal phosphomimic disrupts TDP $\alpha$ 43 polymerization, phase separation, and RNA splicing. <i>EMBO Journal</i> , 2018, 37, .	7.8	297
18	Challenges of Decoding Transcription Factor Dynamics in Terms of Gene Regulation. <i>Cells</i> , 2018, 7, 132.	4.1	13

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19	Cancer Mutations of the Tumor Suppressor SPOP Disrupt the Formation of Active, Phase-Separated Compartments. <i>Molecular Cell</i> , 2018, 72, 19-36.e8.	9.7	286
20	Inflammatory cytokines down-regulate the barrier-protective prostaticin-matriptase proteolytic cascade early in experimental colitis. <i>Journal of Biological Chemistry</i> , 2017, 292, 10801-10812.	3.4	17
21	A two-helix motif positions the lysophosphatidic acid acyltransferase active site for catalysis within the membrane bilayer. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 666-671.	8.2	64
22	Sequence Determinants of the Conformational Properties of an Intrinsically Disordered Protein Prior to and upon Multisite Phosphorylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15323-15335.	13.7	217
23	Proteolytic Activation of the Protease-activated Receptor (PAR)-2 by the Glycosylphosphatidylinositol-anchored Serine Protease Testisin. <i>Journal of Biological Chemistry</i> , 2015, 290, 3529-3541.	3.4	28
24	Co-Encapsulating the Fusogenic Peptide INF7 and Molecular Imaging Probes in Liposomes Increases Intracellular Signal and Probe Retention. <i>PLoS ONE</i> , 2015, 10, e0120982.	2.5	10
25	Targeting the membrane-anchored serine protease testisin with a novel engineered anthrax toxin prodrug to kill tumor cells and reduce tumor burden. <i>Oncotarget</i> , 2015, 6, 33534-33553.	1.8	12
26	Prostaticin Is Required for Matriptase Activation in Intestinal Epithelial Cells to Regulate Closure of the Paracellular Pathway. <i>Journal of Biological Chemistry</i> , 2013, 288, 10328-10337.	3.4	49
27	DESC1 and HAT Peptidases. , 2013, , 2995-3000.		0
28	Entry Pathways of an Avian Virus into Cells Expressing Transmembrane and GPI-Anchored Receptor Isoforms. <i>Biophysical Journal</i> , 2011, 100, 634a.	0.5	0
29	Imaging Single Retrovirus Entry through Alternative Receptor Isoforms and Intermediates of Virus-Endosome Fusion. <i>PLoS Pathogens</i> , 2011, 7, e1001260.	4.7	55