## Ashok A Deniz

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Nucleophosmin integrates within the nucleolus via multi-modal interactions with proteins displaying R-rich linear motifs and rRNA. ELife, 2016, 5, .	6.0	395
2	Interplay of α-synuclein binding and conformational switching probed by single-molecule fluorescence. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5645-5650.	7.1	379
3	Reentrant Phase Transition Drives Dynamic Substructure Formation in Ribonucleoprotein Droplets. Angewandte Chemie - International Edition, 2017, 56, 11354-11359.	13.8	320
4	A natively unfolded yeast prion monomer adopts an ensemble of collapsed and rapidly fluctuating structures. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2649-2654.	7.1	296
5	Modulation of allostery by protein intrinsic disorder. Nature, 2013, 498, 390-394.	27.8	295
6	Self-interaction of NPM1 modulates multiple mechanisms of liquid–liquid phase separation. Nature Communications, 2018, 9, 842.	12.8	285
7	Single-molecule biophysics: at the interface of biology, physics and chemistry. Journal of the Royal Society Interface, 2008, 5, 15-45.	3.4	263
8	RATIOMETRICSINGLE-MOLECULESTUDIES OFFREELYDIFFUSINGBIOMOLECULES. Annual Review of Physical Chemistry, 2001, 52, 233-253.	10.8	195
9	A General and Efficient Method for the Site-Specific Dual-Labeling of Proteins for Single Molecule Fluorescence Resonance Energy Transfer. Journal of the American Chemical Society, 2008, 130, 17664-17665.	13.7	159
10	Ratiometric measurement and identification of single diffusing molecules. Chemical Physics, 1999, 247, 85-106.	1.9	155
11	FRET-based dynamic structural biology: Challenges, perspectives and an appeal for open-science practices. ELife, 2021, 10, .	6.0	152
12	Visualizing a one-way protein encounter complex by ultrafast single-molecule mixing. Nature Methods, 2011, 8, 239-241.	19.0	128
13	Monitoring the Conformational Fluctuations of DNA Hairpins Using Single-Pair Fluorescence Resonance Energy Transfer. Journal of the American Chemical Society, 2001, 123, 4295-4303.	13.7	127
14	Conserved features of intermediates in amyloid assembly determine their benign or toxic states. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11172-11177.	7.1	115
15	Three-Color Single-Molecule Fluorescence Resonance Energy Transfer. ChemPhysChem, 2005, 6, 74-77.	2.1	110
16	Single-Molecule Fluorescence Studies of Intrinsically Disordered Proteins. Methods in Enzymology, 2010, 472, 179-204.	1.0	104
17	α-Synuclein Multistate Folding Thermodynamics:  Implications for Protein Misfolding and Aggregation. Biochemistry, 2007, 46, 4499-4509.	2.5	90
18	Reentrant Phase Transitions and Non-Equilibrium Dynamics in Membraneless Organelles. Biochemistry, 2018. 57. 2470-2477.	2.5	82

ASHOK A DENIZ

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19	Direct single-molecule observation of a protein living in two opposed native structures. Proceedings of the United States of America, 2009, 106, 10153-10158.	7.1	72
20	Shedding light on protein folding landscapes by single-molecule fluorescence. Chemical Society Reviews, 2014, 43, 1172-1188.	38.1	72
21	Multicolor single-molecule FRET to explore protein folding and binding. Molecular BioSystems, 2010, 6, 1540.	2.9	68
22	Ultrafast microfluidic mixer with three-dimensional flow focusing for studies of biochemical kinetics. Lab on A Chip, 2010, 10, 598-609.	6.0	66
23	Counteracting chemical chaperone effects on the single-molecule α-synuclein structural landscape. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17826-17831.	7.1	65
24	Microfluidic Device for Single-Molecule Experiments with Enhanced Photostability. Journal of the American Chemical Society, 2009, 131, 13610-13612.	13.7	61
25	Alteration of the α‧ynuclein Folding Landscape by a Mutation Related to Parkinson's Disease. Angewandte Chemie - International Edition, 2010, 49, 3469-3472.	13.8	58
26	Reentrant Phase Transition Drives Dynamic Substructure Formation in Ribonucleoprotein Droplets. Angewandte Chemie, 2017, 129, 11512-11517.	2.0	53
27	Divalent cations can control a switch-like behavior in heterotypic and homotypic RNA coacervates. Scientific Reports, 2019, 9, 12161.	3.3	50
28	Protein folding at single-molecule resolution. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1021-1029.	2.3	46
29	Freely Diffusing Single Hairpin Ribozymes Provide Insights into the Role of Secondary Structure and Partially Folded States in RNA Folding. Biophysical Journal, 2004, 87, 457-467.	0.5	45
30	Physical Chemistry of Cellular Liquidâ€Phase Separation. Chemistry - A European Journal, 2019, 25, 5600-5610.	3.3	44
31	Single-molecule fluorescence studies of intrinsically disordered proteins and liquid phase separation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 980-987.	2.3	33
32	Intramolecular three-colour single pair FRET of intrinsically disordered proteins with increased dynamic range. Molecular BioSystems, 2012, 8, 2531.	2.9	32
33	Twoâ€Dimensional Crowding Uncovers a Hidden Conformation of αâ€ <del>S</del> ynuclein. Angewandte Chemie - International Edition, 2016, 55, 12789-12792.	13.8	31
34	High-Resolution Temperatureâ^Concentration Diagram of α-Synuclein Conformation Obtained from a Single Förster Resonance Energy Transfer Image in a Microfluidic Device. Analytical Chemistry, 2009, 81, 6929-6935.	6.5	30
35	Asymmetric Modulation of Protein Order–Disorder Transitions by Phosphorylation and Partner Binding. Angewandte Chemie - International Edition, 2016, 55, 1675-1679.	13.8	28
36	Fluorescence Quenching by TEMPO: A Sub-30 Ã Single-Molecule Ruler. Biophysical Journal, 2005, 89, L37-L39.	0.5	27

ASHOK A DENIZ

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37	Fluorescence from Diffusing Single Molecules Illuminates Biomolecular Structure and Dynamics. Journal of Fluorescence, 2007, 17, 775-783.	2.5	26
38	Site-Specific Three-Color Labeling of α-Synuclein via Conjugation to Uniquely Reactive Cysteines during Assembly by Native Chemical Ligation. Cell Chemical Biology, 2018, 25, 797-801.e4.	5.2	25
39	Forced Folding of a Disordered Protein Accesses an Alternative Folding Landscape. ChemPhysChem, 2015, 16, 90-94.	2.1	24
40	Ultrafast cooling reveals microsecond-scale biomolecular dynamics. Nature Communications, 2014, 5, 5737.	12.8	23
41	Probing protein disorder and complexity at single-molecule resolution. Seminars in Cell and Developmental Biology, 2015, 37, 26-34.	5.0	21
42	Dual Unnatural Amino Acid Incorporation and Clickâ€Chemistry Labeling to Enable Singleâ€Molecule FRET Studies of p97 Folding. ChemBioChem, 2016, 17, 981-984.	2.6	21
43	Networking and Dynamic Switches in Biological Condensates. Cell, 2020, 181, 228-230.	28.9	13
44	Deciphering Complexity in Molecular Biophysics with Single-Molecule Resolution. Journal of Molecular Biology, 2016, 428, 301-307.	4.2	11
45	Binding of NFκB Appears to Twist the Ankyrin Repeat Domain of IκBα. Biophysical Journal, 2016, 110, 887-895.	0.5	10
46	Complex dynamics of multicomponent biological coacervates. Current Opinion in Colloid and Interface Science, 2021, 56, 101488.	7.4	9
47	Ratiometric Singleâ€Molecule FRET Measurements to Probe Conformational Subpopulations of Intrinsically Disordered Proteins. Current Protocols in Chemical Biology, 2020, 12, e80.	1.7	8
48	Enzymes can adapt to cold by wiggling regions far from their active site. Nature, 2018, 558, 195-196.	27.8	6
49	Asymmetric Modulation of Protein Order–Disorder Transitions by Phosphorylation and Partner Binding. Angewandte Chemie, 2016, 128, 1707-1711.	2.0	5
50	Denaturant-specific effects on the structural energetics of a protein-denatured ensemble. European Biophysics Journal, 2018, 47, 89-94.	2.2	4
51	Frontispiece: Reentrant Phase Transition Drives Dynamic Substructure Formation in Ribonucleoprotein Droplets. Angewandte Chemie - International Edition, 2017, 56, .	13.8	3
52	Osmolyte-, Binding-, and Temperature-Induced Transitions of Intrinsically Disordered Proteins. , 2012, 896, 257-266.		2
53	Twoâ€Dimensional Crowding Uncovers a Hidden Conformation of αâ€&ynuclein. Angewandte Chemie, 2016, 128, 12981-12984.	2.0	2
54	Conformational Freedom and Topological Confinement of Proteins in Biomolecular Condensates. Journal of Molecular Biology, 2021, 434, 167348.	4.2	2

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55	Frontispiz: Reentrant Phase Transition Drives Dynamic Substructure Formation in Ribonucleoprotein Droplets. Angewandte Chemie, 2017, 129, .	2.0	0
56	Frontispiece: Physical Chemistry of Cellular Liquidâ€Phase Separation. Chemistry - A European Journal, 2019, 25, .	3.3	0