Elin K EsbjÃ¶rner

List of Publications by Year
in descending order

50 papers	2,886 citations	186265 28 h-index	182427 51 g-index
52 all docs	52 docs citations	52 times ranked	4499 citing authors

#	Article	IF	Citations
1	ANS Binding Reveals Common Features of Cytotoxic Amyloid Species. ACS Chemical Biology, 2010, 5, 735-740.	3.4	335
2	Membrane Binding and Translocation of Cell-Penetrating Peptidesâ€. Biochemistry, 2004, 43, 3471-3489.	2.5	194
3	In Situ Measurements of the Formation and Morphology of Intracellular Î²-Amyloid Fibrils by Super-Resolution Fluorescence Imaging. Journal of the American Chemical Society, 2011, 133, 12902-12905.	13.7	151
4	Stimulated endocytosis in penetratin uptake: Effect of arginine and lysine. Biochemical and Biophysical Research Communications, 2008, 371, 621-625.	2.1	125
5	Effects of PEGylation and Acetylation of PAMAM Dendrimers on DNA Binding, Cytotoxicity and <i>in Vitro</i> Transfection Efficiency. Molecular Pharmaceutics, 2010, 7, 1734-1746.	4.6	119
6	Cell surface binding and uptake of arginine- and lysine-rich penetratin peptides in absence and presence of proteoglycans. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2669-2678.	2.6	118
7	Direct Observations of Amyloid Î² Self-Assembly in Live Cells Provide Insights into Differences in the Kinetics of AÎ²(1â€“40) and AÎ²(1â€“42) Aggregation. Chemistry and Biology, 2014, 21, 732-742.	6.0	111
8	Effects of Tryptophan Content and Backbone Spacing on the Uptake Efficiency of Cell-Penetrating Peptides. Biochemistry, 2012, 51, 5531-5539.	2.5	109
9	DNA Condensation by PAMAM Dendrimers:â€‰ Self-Assembly Characteristics and Effect on Transcription. Biochemistry, 2008, 47, 1732-1740.	2.5	102
10	Membrane Interactions of Cell-Penetrating Peptides Probed by Tryptophan Fluorescence and Dichroism Techniques:â€‰ Correlations of Structure to Cellular Uptake. Biochemistry, 2006, 45, 7682-7692.	2.5	97
11	Steady-state and time-resolved Thioflavin-T fluorescence can report on morphological differences in amyloid fibrils formed by AÎ²(1-40) and AÎ²(1-42). Biochemical and Biophysical Research Communications, 2015, 458, 418-423.	2.1	97
12	Dual functions of the human antimicrobial peptide LL-37â€"Target membrane perturbation and host cell cargo delivery. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 2201-2208.	2.6	90
13	Nanobodies Raised against Monomeric Î±-Synuclein Distinguish between Fibrils at Different Maturation Stages. Journal of Molecular Biology, 2013, 425, 2397-2411.	4.2	90
14	Lipid membranes catalyse the fibril formation of the amyloid-Î² (1â€“42) peptide through lipid-fibril interactions that reinforce secondary pathways. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1921-1929.	2.6	90
15	Endocytic uptake of monomeric amyloid-Î² peptides is clathrin- and dynamin-independent and results in selective accumulation of AÎ²(1â€“42) compared to AÎ²(1â€“40). Scientific Reports, 2017, 7, 2021.	3.3	80
16	Delivery of Oligonucleotide Therapeutics: Chemical Modifications, Lipid Nanoparticles, and Extracellular Vesicles. ACS Nano, 2021, 15, 13993-14021.	14.6	74
17	A nano flow cytometer for single lipid vesicle analysis. Lab on A Chip, 2017, 17, 830-841.	6.0	66
18	Counterion-mediated membrane penetration: Cationic cell-penetrating peptides overcome Born energy barrier by ion-pairing with phospholipids. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1550-1558.	2.6	58

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19	Membrane Binding of pH-Sensitive Influenza Fusion Peptides. Positioning, Configuration, and Induced Leakage in a Lipid Vesicle Model. Biochemistry, 2007, 46, 13490-13504.	2.5	53
20	Binding of Thioflavin-T to Amyloid Fibrils Leads to Fluorescence Self-Quenching and Fibril Compaction. Biochemistry, 2017, 56, 2170-2174.	2.5	53
21	Vesicle size-dependent translocation of penetratin analogs across lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1665, 142-155.	2.6	52
22	Meso Stereoisomer as a Probe of Enantioselective Threading Intercalation of Semirigid Ruthenium Complex [Î¼-(11,11â€˜-bidppz)(phen)4Ru2]4+. Journal of Physical Chemistry B, 2003, 107, 11784-11793.	2.6	47
23	A high-throughput Galectin-9 imaging assay for quantifying nanoparticle uptake, endosomal escape and functional RNA delivery. Communications Biology, 2021, 4, 211.	4.4	45
24	Tryptophan orientation in model lipid membranes. Biochemical and Biophysical Research Communications, 2007, 361, 645-650.	2.1	43
25	Binding of cell-penetrating penetratin peptides to plasma membrane vesicles correlates directly with cellular uptake. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1860-1867.	2.6	37
26	Probing small molecule binding to amyloid fibrils. Physical Chemistry Chemical Physics, 2011, 13, 20044.	2.8	36
27	The Liver and Kidneys mediate clearance of cardiac troponin in the rat. Scientific Reports, 2020, 10, 6791.	3.3	34
28	Graphene oxide sheets and quantum dots inhibit Î±-synuclein amyloid formation by different mechanisms. Nanoscale, 2020, 12, 19450-19460.	5.6	33
29	Label-free nanofluidic scattering microscopy of size and mass of single diffusing molecules and nanoparticles. Nature Methods, 2022, 19, 751-758.	19.0	30
30	Stealth Fluorescence Labeling for Live Microscopy Imaging of mRNA Delivery. Journal of the American Chemical Society, 2021, 143, 5413-5424.	13.7	27
31	Correlation between Cellular Uptake and Cytotoxicity of Fragmented Î±-Synuclein Amyloid Fibrils Suggests Intracellular Basis for Toxicity. ACS Chemical Neuroscience, 2020, 11, 233-241.	3.5	26
32	Retinoid Chromophores as Probes of Membrane Lipid Order. Journal of Physical Chemistry B, 2007, 111, 10839-10848.	2.6	25
33	Single Point Mutations Induce a Switch in the Molecular Mechanism of the Aggregation of the Alzheimerâ€™s Disease Associated AÎ²₄₂ Peptide. ACS Chemical Biology, 2014, 9, 378-382.	3.4	25
34	Tryptophan orientations in membrane-bound gramicidin and melittinâ€"a comparative linear dichroism study on transmembrane and surface-bound peptides. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 219-228.	2.6	22
35	Assigning Membrane Binding Geometry of Cytochrome c by Polarized Light Spectroscopy. Biophysical Journal, 2009, 96, 3399-3411.	0.5	21
36	Copper Chaperone Atox1 Interacts with Cell Cycle Proteins. Computational and Structural Biotechnology Journal, 2018, 16, 443-449.	4.1	19

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37	Interactions between a luminescent conjugated polyelectrolyte and amyloid fibrils investigated with flow linear dichroism spectroscopy. Biochemical and Biophysical Research Communications, 2011, 408, 115-119.	2.1	18
38	Redox-Dependent Copper Ion Modulation of Amyloid-Î² (1-42) Aggregation In Vitro. Biomolecules, 2020, 10, 924.	4.0	16
39	Amyloid formation of bovine insulin is retarded in moderately acidic pH and by addition of short-chain alcohols. European Biophysics Journal, 2020, 49, 145-153.	2.2	15
40	Amyloid formation of fish Î²-parvalbumin involves primary nucleation triggered by disulfide-bridged protein dimers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27997-28004.	7.1	15
41	Lipid vesicle composition influences the incorporation and fluorescence properties of the lipophilic sulphonated carbocyanine dye SP-DiO. Physical Chemistry Chemical Physics, 2020, 22, 8781-8790.	2.8	14
42	Cell surface proteoglycan-mediated uptake and accumulation of the Alzheimer's disease peptide AÎ²(1â€"42). Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2204-2214.	2.6	13
43	Solvent exposure of Tyr10 as a probe of structural differences between monomeric and aggregated forms of the amyloid-Î² peptide. Biochemical and Biophysical Research Communications, 2015, 468, 696-701.	2.1	11
44	Detection of amyloid-Î² fibrils using the DNA-intercalating dye YOYO-1: Binding mode and fibril formation kinetics. Biochemical and Biophysical Research Communications, 2016, 469, 313-318.	2.1	10
45	Using Tetracysteine-Tagged TDP-43 with a Biarsenical Dye To Monitor Real-Time Trafficking in a Cell Model of Amyotrophic Lateral Sclerosis. Biochemistry, 2019, 58, 4086-4095.	2.5	9
46	Role of Membrane Tension Sensitive Endocytosis and Rho GTPases in the Uptake of the Alzheimerâ€™s Disease Peptide AÎ²(1-42). ACS Chemical Neuroscience, 2020, 11, 1925-1936.	3.5	7
47	Novel endosomolytic compounds enable highly potent delivery of antisense oligonucleotides. Communications Biology, 2022, 5, 185.	4.4	7
48	Independent Size and Fluorescence Emission Determination of Individual Biological Nanoparticles Reveals that Lipophilic Dye Incorporation Does Not Scale with Particle Size. Langmuir, 2020, 36, 9693-9700.	3.5	6
49	Fluorescent base analogues in gapmers enable stealth labeling of antisense oligonucleotide therapeutics. Scientific Reports, 2021, 11, 11365.	3.3	5
50	Novel clearance of muscle proteins by muscle cells. European Journal of Cell Biology, 2020, 99, 151127.	3.6	4