

# Helmut H Strey

## List of Publications by Year in descending order

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39  
papers

2,385  
citations

430442

18  
h-index

395343

33  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2576  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved DNA: liposome complexes for increased systemic delivery and gene expression. <i>Nature Biotechnology</i> , 1997, 15, 647-652.	9.4	737
2	The Structure of DNA-Liposome Complexes. <i>Journal of the American Chemical Society</i> , 1997, 119, 832-833.	6.6	378
3	Chemosensory Cues to Conspecific Emotional Stress Activate Amygdala in Humans. <i>PLoS ONE</i> , 2009, 4, e6415.	1.1	169
4	Fluctuation analysis of tension-controlled undulation forces between giant vesicles and solid substrates. <i>Physical Review E</i> , 1995, 51, 4526-4536.	0.8	150
5	Brownian Motion of DNA Confined Within a Two-Dimensional Array. <i>Science</i> , 2002, 297, 987-990.	6.0	144
6	DNA-DNA interactions. <i>Current Opinion in Structural Biology</i> , 1998, 8, 309-313.	2.6	134
7	Diet modulates brain network stability, a biomarker for brain aging, in young adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6170-6177.	3.3	85
8	Rapid and continuous magnetic separation in droplet microfluidic devices. <i>Lab on A Chip</i> , 2015, 15, 908-919.	3.1	70
9	DNA Cholesteric Pitch as a Function of Density and Ionic Strength. <i>Biophysical Journal</i> , 2005, 89, 2552-2557.	0.2	63
10	Phase Behavior and Hydration of Silk Fibroin. <i>Biomacromolecules</i> , 2004, 5, 751-757.	2.6	57
11	Colloidal DNA. <i>Current Opinion in Colloid and Interface Science</i> , 1998, 3, 534-539.	3.4	53
12	Measuring Osmotic Pressure of Poly(ethylene glycol) Solutions by Sedimentation Equilibrium Ultracentrifugation. <i>Macromolecules</i> , 2003, 36, 6888-6893.	2.2	53
13	Theoretical and phase contrast microscopic eigenmode analysis of erythrocyte flicker : amplitudes. <i>Journal De Physique II</i> , 1992, 2, 1273-1285.	0.9	50
14	Phase Diagrams of Stoichiometric Polyelectrolyte-Surfactant Complexes. <i>Macromolecules</i> , 2003, 36, 9549-9558.	2.2	28
15	Osmotically Induced Helix-Coil Transition in Poly(Glutamic Acid). <i>Biophysical Journal</i> , 2008, 94, 4427-4434.	0.2	28
16	Structural Evolution of Complexes of Poly(styrenesulfonate) and Cetyltrimethylammonium Chloride. <i>Macromolecules</i> , 2008, 41, 4012-4019.	2.2	23
17	Signal Fluctuation Sensitivity: An Improved Metric for Optimizing Detection of Resting-State fMRI Networks. <i>Frontiers in Neuroscience</i> , 2016, 10, 180.	1.4	22
18	Power spectrum scale invariance identifies prefrontal dysregulation in paranoid schizophrenia. <i>Human Brain Mapping</i> , 2012, 33, 1582-1593.	1.9	21

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19	Single Molecule Visualizations of Polymer Partitioning within Model Pore Geometries. <i>Macromolecules</i> , 2005, 38, 145-150.	2.2	18
20	Impact of Surface Active Compounds on Iron Catalyzed Oxidation of Methyl Linolenate in AOTâ€“Waterâ€“Hexadecane Systems. <i>Food Biophysics</i> , 2007, 2, 57-66.	1.4	15
21	Bluetooth low energy technologies for applications in health care: proximity and physiological signals monitors. , 2013, , .		13
22	Making Sense of Computational Psychiatry. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 339-347.	1.0	11
23	Estimation of parameters from time traces originating from an Ornstein-Uhlenbeck process. <i>Physical Review E</i> , 2019, 100, 062142.	0.8	10
24	Measurement of Phase Transition Free Energies in Polyelectrolyteâˆ“Surfactant Complexes. <i>Macromolecules</i> , 2010, 43, 4379-4383.	2.2	8
25	Precise pooling and dispensing of microfluidic droplets towards micro- to macro-world interfacing. <i>RSC Advances</i> , 2014, 4, 38542-38550.	1.7	7
26	Ground-truth â€œresting-stateâ€“signal provides data-driven estimation and correction for scanner distortion of fMRI time-series dynamics. <i>NeuroImage</i> , 2021, 227, 117584.	2.1	7
27	Single-cell kinetics of siRNA-mediated mRNA degradation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102077.	1.7	6
28	Second-Hand Stress: Neurobiological Evidence for a Human Alarm Pheromone. <i>Nature Precedings</i> , 2008, , .	0.1	5
29	Phase Diagrams of Electrostatically Self-Assembled Amphiphiles. <i>Macromolecules</i> , 2011, 44, 7423-7429.	2.2	5
30	Electrostatically driven self-assembly of hybrid elastinâ€“DNA liquid crystals. <i>Soft Matter</i> , 2008, 4, 241-244.	1.2	4
31	The observation of polymer reptation. <i>Advanced Materials</i> , 1994, 6, 507-509.	11.1	3
32	Diffusion of Circular DNA in Twoâ€“Dimensional Cavity Arrays. <i>ChemPhysChem</i> , 2009, 10, 2847-2851.	1.0	2
33	Multi-layering of SU-8 exhibits distinct geometrical transitions from circular to planarized profiles. <i>Biomicrofluidics</i> , 2020, 14, 014116.	1.2	2
34	Droplet Microfluidic Technologies for High-throughput Single-Cell Gene Expression Analysis. <i>Biophysical Journal</i> , 2013, 104, 676a.	0.2	1
35	DNA Dynamics under Nano-Confinement. <i>Biophysical Journal</i> , 2013, 104, 178a.	0.2	0
36	Measuring social networks using proximity sensors. , 2015, , .		0

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37	Enzymatic-based cytometry, a sensitive single-cell cytometric method to assess BCR-ABL1 activity in CML. Lab on A Chip, 2020, 20, 942-948.	3.1	0
38	Development of an MRI-Compatible Nasal Drug Delivery Method for Probing Nicotine Addiction Dynamics. Pharmaceutics, 2021, 13, 2069.	2.0	0
39	Development of Cancer-on-a-chip Technology for the Study of Tumor Microenvironment and Metabolism. FASEB Journal, 2022, 36, .	0.2	0