

Andreas Herrmann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5609758/publications.pdf>

Version: 2024-02-01

321
papers

16,084
citations

10389

72
h-index

29157

104
g-index

338
all docs

338
docs citations

338
times ranked

17849
citing authors

#	ARTICLE	IF	CITATIONS
1	CDC50A is required for aminophospholipid transport and cell fusion in mouse C2C12 myoblasts. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	10
2	Highly Stiff and Stretchable DNA Liquid Crystalline Organogels with Super Plasticity, Ultrafast Self-Healing, and Magnetic Response Behaviors. <i>Advanced Materials</i> , 2022, 34, e2106208.	21.0	19
3	Visualization of Marek's Disease Virus Genomes in Living Cells during Lytic Replication and Latency. <i>Viruses</i> , 2022, 14, 287.	3.3	1
4	The Mechanochemical Synthesis and Activation of Carbon-Rich Conjugated Materials. <i>Advanced Science</i> , 2022, 9, e2105497.	11.2	28
5	Charge Matters: Mutations in Omicron Variant Favor Binding to Cells. <i>ChemBioChem</i> , 2022, 23, e202100681.	2.6	62
6	Linker Molecules Convert Commercial Fluorophores into Tailored Functional Probes during Biolabelling. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
7	Microgels as drug carriers for sonopharmacology. <i>Journal of Polymer Science</i> , 2022, 60, 1864-1870.	3.8	18
8	Structural and functional analysis of the roles of Influenza C virus membrane proteins in assembly and budding. <i>Journal of Biological Chemistry</i> , 2022, , 101727.	3.4	1
9	Characterization of Hantavirus N Protein Intracellular Dynamics and Localization. <i>Viruses</i> , 2022, 14, 457.	3.3	3
10	Mechano-Nanoswitches for Ultrasound-Controlled Drug Activation. <i>Advanced Science</i> , 2022, 9, e2104696.	11.2	20
11	Late-Stage Modification of Aminoglycoside Antibiotics Overcomes Bacterial Resistance Mediated by APH(3 TM) Kinases. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5
12	Ionic Combisomes: A New Class of Biomimetic Vesicles to Fuse with Life. <i>Advanced Science</i> , 2022, 9, e2200617.	11.2	6
13	Activation of Antibiotic-Grafted Polymer Brushes by Ultrasound. <i>ACS Macro Letters</i> , 2022, 11, 15-19.	4.8	12
14	Design and Functional Analysis of Heterobifunctional Multivalent Phage Capsid Inhibitors Blocking the Entry of Influenza Virus. <i>Bioconjugate Chemistry</i> , 2022, 33, 1269-1278.	3.6	1
15	Force ahead: Emerging Applications and Opportunities of Polymer Mechanochemistry. <i>ACS Polymers Au</i> , 2022, 2, 208-212.	4.1	15
16	Mechanochemical activation of disulfide-based multifunctional polymers for theranostic drug release. <i>Chemical Science</i> , 2021, 12, 1668-1674.	7.4	61
17	Reversibly Photo-Modulating Mechanical Stiffness and Toughness of Bioengineered Protein Fibers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3222-3228.	13.8	25
18	Controlling Optical and Catalytic Activity of Genetically Engineered Proteins by Ultrasound. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1493-1497.	13.8	31

#	ARTICLE	IF	CITATIONS
19	Photochemical control of bacterial gene expression based on <i>trans</i> encoded genetic switches. <i>Chemical Science</i> , 2021, 12, 2646-2654.	7.4	6
20	Reversible regulation of metallo-base-pair interactions for DNA dehybridization by ultrasound. <i>Chemical Communications</i> , 2021, 57, 7438-7440.	4.1	12
21	Mechanochemical bond scission for the activation of drugs. <i>Nature Chemistry</i> , 2021, 13, 131-139.	13.6	152
22	Spontaneous binding of potential COVID-19 drugs (Camostat and Nafamostat) to human serine protease TMPRSS2. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 467-476.	4.1	25
23	Improved Treatment Options for Glaucoma with Brimonidine-Loaded Lipid DNA Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9445-9456.	8.0	24
24	An Artificial Phase-Transitional Underwater Bioglue with Robust and Switchable Adhesion Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12082-12089.	13.8	48
25	Genetically Engineered Polypeptide Adhesive Coacervates for Surgical Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23687-23694.	13.8	78
26	Wrapping and Blocking of Influenza A Viruses by Sialylated 2D Nanoplatfoms. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100285.	3.7	17
27	Activation of the Catalytic Activity of Thrombin for Fibrin Formation by Ultrasound. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14707-14714.	13.8	35
28	Ultra-strong bio-glue from genetically engineered polypeptides. <i>Nature Communications</i> , 2021, 12, 3613.	12.8	104
29	Dynamic DNA-based biomaterials interacting with external, macroscopic, and molecular stimuli. <i>Materials Today</i> , 2021, 49, 378-390.	14.2	8
30	Live-cell imaging of circadian clock protein dynamics in CRISPR-generated knock-in cells. <i>Nature Communications</i> , 2021, 12, 3796.	12.8	42
31	Characterization of Fluorescent Proteins with Intramolecular Photostabilization**. <i>ChemBioChem</i> , 2021, 22, 3283-3291.	2.6	6
32	The Mechanochemical Release of Naphthalimide Fluorophores from \hat{I}^2 -Carbonate and \hat{I}^2 -Carbamate Disulfide-Centered Polymers. <i>CCS Chemistry</i> , 2021, 3, 2333-2344.	7.8	23
33	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12774-12789.	6.4	11
34	Fullerenes Enhance Self-Assembly and Electron Injection of Photosystem I in Biophotovoltaic Devices. <i>Langmuir</i> , 2021, 37, 11465-11473.	3.5	9
35	Carrier-free micellar CpG interacting with cell membrane for enhanced immunological treatment of HIV-1. <i>Biomaterials</i> , 2021, 277, 121081.	11.4	9
36	Polymers Strive for Accuracy: From Sequence-Defined Polymers to mRNA Vaccines against COVID-19 and Polymers in Nucleic Acid Therapeutics. <i>Journal of the American Chemical Society</i> , 2021, 143, 20529-20545.	13.7	16

#	ARTICLE	IF	CITATIONS
37	Multiplexed sensing of biomolecules with optically detected magnetic resonance of nitrogen-vacancy centers in diamond. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
38	Fabrication and Mechanical Properties of Engineered Protein-Based Adhesives and Fibers. <i>Advanced Materials</i> , 2020, 32, e1906360.	21.0	97
39	DNA hybridization as a general method to enhance the cellular uptake of nanostructures. <i>Nanoscale</i> , 2020, 12, 21299-21305.	5.6	5
40	De novo rational design of a freestanding, supercharged polypeptide, proton-conducting membrane. <i>Science Advances</i> , 2020, 6, eabc0810.	10.3	24
41	Aptamer protective groups tolerate different reagents and reactions for regioselective modification of neomycin B. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9606-9610.	2.8	2
42	Toward Drug Release Using Polymer Mechanochemical Disulfide Scission. <i>Journal of the American Chemical Society</i> , 2020, 142, 14725-14732.	13.7	72
43	Selective flexible packaging pathways of the segmented genome of influenza A virus. <i>Nature Communications</i> , 2020, 11, 4355.	12.8	26
44	Macropinocytosis and Clathrin-Dependent Endocytosis Play Pivotal Roles for the Infectious Entry of Puumala Virus. <i>Journal of Virology</i> , 2020, 94, .	3.4	14
45	Next Generation Salivary Lubrication Enhancer Derived from Recombinant Supercharged Polypeptides for Xerostomia. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34524-34535.	8.0	13
46	Liquid-Ordered Phase Formation by Mammalian and Yeast Sterols: A Common Feature With Organizational Differences. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 337.	3.7	20
47	Quantification of Multivalent Interactions between Sialic Acid and Influenza A Virus Spike Proteins by Single-Molecule Force Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 12181-12192.	13.7	43
48	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. <i>Angewandte Chemie</i> , 2020, 132, 12517-12522.	2.0	5
49	Yeast Sphingolipid-Enriched Domains and Membrane Compartments in the Absence of Mannosyldiinositolphosphorylceramide. <i>Biomolecules</i> , 2020, 10, 871.	4.0	9
50	Four-Dimensional Deoxyribonucleic Acid-Gold Nanoparticle Assemblies. <i>Angewandte Chemie</i> , 2020, 132, 17403-17408.	2.0	2
51	Engineered Near-Infrared Fluorescent Protein Assemblies for Robust Bioimaging and Therapeutic Applications. <i>Advanced Materials</i> , 2020, 32, e2000964.	21.0	58
52	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. <i>Nature Nanotechnology</i> , 2020, 15, 373-379.	31.5	96
53	Supercharged Proteins and Polypeptides. <i>Advanced Materials</i> , 2020, 32, e1905309.	21.0	58
54	Plasma membrane asymmetry of lipid organization: fluorescence lifetime microscopy and correlation spectroscopy analysis. <i>Journal of Lipid Research</i> , 2020, 61, 252-266.	4.2	29

#	ARTICLE	IF	CITATIONS
55	Solvent-Free Plasticity and Programmable Mechanical Behaviors of Engineered Proteins. <i>Advanced Materials</i> , 2020, 32, e1907697.	21.0	23
56	Modular and Versatile Trans-Encoded Genetic Switches. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20328-20332.	13.8	2
57	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12417-12422.	13.8	36
58	ColiCoords: A Python package for the analysis of bacterial fluorescence microscopy data. <i>PLoS ONE</i> , 2019, 14, e0217524.	2.5	15
59	Anti-Stokes Stress Sensing: Mechanochemical Activation of Triplet-Triplet Annihilation Photon Upconversion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12919-12923.	13.8	68
60	Significant Upregulation of Alzheimer's Amyloid Levels in a Living System Induced by Extracellular Elastin Polypeptides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18703-18709.	13.8	36
61	Soft matter DNA nanoparticles hybridized with CpG motifs and peptide nucleic acids enable immunological treatment of cancer. <i>Journal of Controlled Release</i> , 2019, 315, 76-84.	9.9	18
62	Anti-Stokes-Belastungsanzeige: Mechanochemische Aktivierung der Triplet-Triplet-Annihilierung-Photonen-Hochkonversion. <i>Angewandte Chemie</i> , 2019, 131, 13051-13055.	2.0	10
63	Electrostatically PEGylated DNA enables salt-free hybridization in water. <i>Chemical Science</i> , 2019, 10, 10097-10105.	7.4	9
64	Gold-DNA nanosunflowers for efficient gene silencing with controllable transformation. <i>Science Advances</i> , 2019, 5, eaaw6264.	10.3	94
65	Surface Binding Energy Landscapes Affect Phosphodiesterase Isoform-Specific Inhibitor Selectivity. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 101-109.	4.1	7
66	Mobility-Based Quantification of Multivalent Virus-Receptor Interactions: New Insights Into Influenza A Virus Binding Mode. <i>Nano Letters</i> , 2019, 19, 1875-1882.	9.1	60
67	On the impact of competing intra- and intermolecular triplet-state quenching on photobleaching and photoswitching kinetics of organic fluorophores. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3721-3733.	2.8	30
68	Inhibition of influenza virus activity by the bovine seminal plasma protein PDC-109. <i>European Biophysics Journal</i> , 2019, 48, 503-511.	2.2	1
69	Fast, Efficient, and Targeted Liposome Delivery Mediated by DNA Hybridization. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900389.	7.6	14
70	DNA Nanotechnology Enters Cell Membranes. <i>Advanced Science</i> , 2019, 6, 1900043.	11.2	85
71	RNAi-based small molecule repositioning reveals clinically approved urea-based kinase inhibitors as broadly active antivirals. <i>PLoS Pathogens</i> , 2019, 15, e1007601.	4.7	26
72	A transcriptome-wide analysis deciphers distinct roles of G1 cyclins in temporal organization of the yeast cell cycle. <i>Scientific Reports</i> , 2019, 9, 3343.	3.3	9

#	ARTICLE	IF	CITATIONS
73	Force Spectroscopy Shows Dynamic Binding of Influenza Hemagglutinin and Neuraminidase to Sialic Acid. <i>Biophysical Journal</i> , 2019, 116, 1037-1048.	0.5	33
74	Self-association and subcellular localization of Puumala hantavirus envelope proteins. <i>Scientific Reports</i> , 2019, 9, 707.	3.3	15
75	Stochastic transcription in the p53-mediated response to DNA damage is modulated by burst frequency. <i>Molecular Systems Biology</i> , 2019, 15, e9068.	7.2	27
76	The kinetochore module Okp1 ^{CENP-A} /Ame1 ^{CENP-U} is a reader for N-terminal modifications on the centromeric histone Cse4 ^{CENP-A} . <i>EMBO Journal</i> , 2019, 38, .	7.8	34
77	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6878-6882.	13.8	38
78	Interactions of Fullerene-Polyglycerol Sulfates at Viral and Cellular Interfaces. <i>Small</i> , 2018, 14, e1800189.	10.0	30
79	Self-Assembly of Electrostatic Cocystals from Supercharged Fusion Peptides and Protein Cages. <i>ACS Macro Letters</i> , 2018, 7, 318-323.	4.8	47
80	Uptake and Localization of Aminoglycoside Antibiotics in Live Escherichia coli. <i>Biophysical Journal</i> , 2018, 114, 629a.	0.5	0
81	Photoswitching of DNA Hybridization Using a Molecular Motor. <i>Journal of the American Chemical Society</i> , 2018, 140, 5069-5076.	13.7	70
82	Lipid-DNAs as Solubilizers of THPC. <i>Chemistry - A European Journal</i> , 2018, 24, 798-802.	3.3	5
83	DNA nanoparticles for ophthalmic drug delivery. <i>Biomaterials</i> , 2018, 157, 98-106.	11.4	69
84	Phage Display on the Anti-infective Target 1-Deoxy-D-xylulose-5-phosphate Synthase Leads to an Acceptor-Substrate Competitive Peptidic Inhibitor. <i>ChemBioChem</i> , 2018, 19, 58-65.	2.6	8
85	Sialyl-LacNAc-PNA TM DNA concatamers by rolling circle amplification as multivalent inhibitors for Influenza A virus particles. <i>ChemBioChem</i> , 2018, 20, 159-165.	2.6	15
86	Exploring Rigid and Flexible Core Trivalent Sialosides for Influenza Virus Inhibition. <i>Chemistry - A European Journal</i> , 2018, 24, 19373-19385.	3.3	14
87	Self-Regenerating Soft Biophotovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37625-37633.	8.0	17
88	Tunneling Probability Increases with Distance in Junctions Comprising Self-Assembled Monolayers of Oligothiophenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 15048-15055.	13.7	24
89	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. <i>Angewandte Chemie</i> , 2018, 130, 6994-6998.	2.0	8
90	Gp41 dynamically interacts with the TCR in the immune synapse and promotes early T cell activation. <i>Scientific Reports</i> , 2018, 8, 9747.	3.3	8

#	ARTICLE	IF	CITATIONS
91	Dissipative adaptation in driven self-assembly leading to self-dividing fibrils. <i>Nature Nanotechnology</i> , 2018, 13, 849-855.	31.5	160
92	Optimal fluorescent protein tags for quantifying protein oligomerization in living cells. <i>Scientific Reports</i> , 2018, 8, 10634.	3.3	80
93	Performing DNA nanotechnology operations on a zebrafish. <i>Chemical Science</i> , 2018, 9, 7271-7276.	7.4	17
94	An Optimized Sensor Array Identifies All Natural Amino Acids. <i>ACS Sensors</i> , 2018, 3, 1562-1568.	7.8	51
95	Transcriptional timing and noise of yeast cell cycle regulators—a single cell and single molecule approach. <i>Npj Systems Biology and Applications</i> , 2018, 4, 17.	3.0	7
96	The non-classical nuclear import carrier Transportin 1 modulates circadian rhythms through its effect on PER1 nuclear localization. <i>PLoS Genetics</i> , 2018, 14, e1007189.	3.5	20
97	Cell cycle dependent changes in the plasma membrane organization of mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 350-359.	2.6	18
98	Amplification of a FRET Probe by Lipid-Water Partition for the Detection of Acid Sphingomyelinase in Live Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2790-2794.	13.8	47
99	Functionalized Graphene as Extracellular Matrix Mimics: Toward Well-Defined 2D Nanomaterials for Multivalent Virus Interactions. <i>Advanced Functional Materials</i> , 2017, 27, 1606477.	14.9	65
100	Influenza A Virus Virulence Depends on Two Amino Acids in the N-Terminal Domain of Its NS1 Protein To Facilitate Inhibition of the RNA-Dependent Protein Kinase PKR. <i>Journal of Virology</i> , 2017, 91, .	3.4	40
101	The ties that bind. <i>Nature Nanotechnology</i> , 2017, 12, 102-103.	31.5	3
102	Orientation and Incorporation of Photosystem I in Bioelectronics Devices Enabled by Phage Display. <i>Advanced Science</i> , 2017, 4, 1600393.	11.2	17
103	Ultrasensitive Detection of Oligonucleotides: Single-Walled Carbon Nanotube Transistor Assembled by DNA Block Copolymer. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5175-5180.	0.9	3
104	Liquefaction of Biopolymers: Solvent-free Liquids and Liquid Crystals from Nucleic Acids and Proteins. <i>Accounts of Chemical Research</i> , 2017, 50, 1212-1221.	15.6	31
105	Multivalent Peptide-Nanoparticle Conjugates for Influenza-Virus Inhibition. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5931-5936.	13.8	86
106	Efficient Fusion of Liposomes by Nucleobase Quadruple-Anchored DNA. <i>Chemistry - A European Journal</i> , 2017, 23, 9391-9396.	3.3	33
107	A Hypothesis-Free Sensor Array Discriminates Whiskies for Brand, Age, and Taste. <i>CheM</i> , 2017, 2, 817-824.	11.7	93
108	Accelerating chemical reactions by molecular sledding. <i>Chemical Communications</i> , 2017, 53, 6331-6334.	4.1	4

#	ARTICLE	IF	CITATIONS
109	Linear polysialoside outperforms dendritic analogs for inhibition of influenza virus infection in vitro and in vivo. <i>Biomaterials</i> , 2017, 138, 22-34.	11.4	83
110	Multivalente Peptid-Nanopartikel-Konjugate zur Hemmung des Influenzavirus. <i>Angewandte Chemie</i> , 2017, 129, 6025-6030.	2.0	8
111	A Fluorescent RNA Forced Intercalation Probe as a Pan-Selective Marker for Influenza A Virus Infection. <i>ChemBioChem</i> , 2017, 18, 1589-1592.	2.6	9
112	Phosphatidylserine Lateral Organization Influences the Interaction of Influenza Virus Matrix Protein 1 with Lipid Membranes. <i>Journal of Virology</i> , 2017, 91, .	3.4	38
113	Quantitative Proteomic Approach Identifies Vpr Binding Protein as Novel Host Factor Supporting Influenza A Virus Infections in Human Cells. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 728-742.	3.8	13
114	Spatial Screening of Hemagglutinin on Influenza A Virus Particles: Sialyl-LacNAc Displays on DNA and PEG Scaffolds Reveal the Requirements for Bivalency Enhanced Interactions with Weak Monovalent Binders. <i>Journal of the American Chemical Society</i> , 2017, 139, 16389-16397.	13.7	70
115	Role of Defects in Tuning the Electronic Properties of Monolayer WS ₂ Grown by Chemical Vapor Deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700302.	2.4	4
116	Nematic DNA Thermotropic Liquid Crystals with Photoresponsive Mechanical Properties. <i>Small</i> , 2017, 13, 1701207.	10.0	32
117	A Simple Optoelectronic Tongue Discriminates Amino Acids. <i>Chemistry - A European Journal</i> , 2017, 23, 12471-12474.	3.3	17
118	Administration of Soft Matter Lipid-DNA Nanoparticle As the Immunostimulant via Multiple Routes of Injection in Vivo. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2054-2058.	5.2	6
119	Full-length cellular Î²-secretase has a trimeric subunit stoichiometry, and its sulfur-rich transmembrane interaction site modulates cytosolic copper compartmentalization. <i>Journal of Biological Chemistry</i> , 2017, 292, 13258-13270.	3.4	21
120	DNA-surfactant complexes: self-assembly properties and applications. <i>Chemical Society Reviews</i> , 2017, 46, 5147-5172.	38.1	80
121	Mechanically and Electrically Robust Self-Assembled Monolayers for Large-Area Tunneling Junctions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14920-14928.	3.1	29
122	Influenza A virus nucleoprotein targets subnuclear structures. <i>Cellular Microbiology</i> , 2017, 19, e12679.	2.1	10
123	Modular delivery of CpG-incorporated lipid-DNA nanoparticles for spleen DC activation. <i>Biomaterials</i> , 2017, 115, 81-89.	11.4	44
124	Stochastic Model of Acidification, Activation of Hemagglutinin and Escape of Influenza Viruses from an Endosome. <i>Frontiers in Physics</i> , 2017, 5, .	2.1	15
125	Ultrahigh Mobility in an Organic Semiconductor by Vertical Chain Alignment. <i>Advanced Materials</i> , 2016, 28, 2359-2366.	21.0	65
126	The interaction of sorafenib and regorafenib with membranes is modulated by their lipid composition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2871-2881.	2.6	19

#	ARTICLE	IF	CITATIONS
127	Two-Dimensional Mesoscale-Ordered Conducting Polymers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12516-12521.	13.8	89
128	Amyloid- β (1-42) Aggregation Initiates Its Cellular Uptake and Cytotoxicity. <i>Journal of Biological Chemistry</i> , 2016, 291, 19590-19606.	3.4	91
129	Dynamics of cell wall elasticity pattern shapes the cell during yeast mating morphogenesis. <i>Open Biology</i> , 2016, 6, 160136.	3.6	36
130	High Affinity Recognition of a Selected Amino Acid Epitope within a Protein by Cucurbit[8]uril Complexation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14000-14004.	13.8	52
131	Lipids Activate SecA for High Affinity Binding to the SecYEG Complex. <i>Journal of Biological Chemistry</i> , 2016, 291, 22534-22543.	3.4	42
132	Modulation of cell surface transport and lipid raft localization by the cytoplasmic tail of the influenza virus hemagglutinin. <i>Cellular Microbiology</i> , 2016, 18, 125-136.	2.1	9
133	Deposition of LiF onto Films of Fullerene Derivatives Leads to Bulk Doping. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22623-22628.	8.0	19
134	Controlling the volatility of the written optical state in electrochromic DNA liquid crystals. <i>Nature Communications</i> , 2016, 7, 11476.	12.8	39
135	Tuning Ice Nucleation with Supercharged Polypeptides. <i>Advanced Materials</i> , 2016, 28, 5008-5012.	21.0	59
136	Modulation of the pH Stability of Influenza Virus Hemagglutinin: A Host Cell Adaptation Strategy. <i>Bioophysical Journal</i> , 2016, 110, 2293-2301.	0.5	36
137	Filling the Green Gap of a Megadalton Photosystem I Complex by Conjugation of Organic Dyes. <i>Bioconjugate Chemistry</i> , 2016, 27, 36-41.	3.6	14
138	Supramolecular micelle-based nucleozymes for the catalytic oxidation of dopamine to aminochrome. <i>Chemical Communications</i> , 2016, 52, 5561-5564.	4.1	10
139	Genetic characterization of an adapted pandemic 2009 H1N1 influenza virus that reveals improved replication rates in human lung epithelial cells. <i>Virology</i> , 2016, 492, 118-129.	2.4	8
140	Interaction of fluorescent phospholipids with cyclodextrins. <i>Chemistry and Physics of Lipids</i> , 2016, 194, 37-48.	3.2	12
141	Speeding up biomolecular interactions by molecular sledding. <i>Chemical Science</i> , 2016, 7, 916-920.	7.4	11
142	Viral RNA Degradation and Diffusion Act as a Bottleneck for the Influenza A Virus Infection Efficiency. <i>PLoS Computational Biology</i> , 2016, 12, e1005075.	3.2	27
143	Anti-Hemagglutinin Antibody Derived Lead Peptides for Inhibitors of Influenza Virus Binding. <i>PLoS ONE</i> , 2016, 11, e0159074.	2.5	25
144	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13007-13011.	13.8	71

#	ARTICLE	IF	CITATIONS
145	3D-Printable Antimicrobial Composite Resins. <i>Advanced Functional Materials</i> , 2015, 25, 6756-6767.	14.9	105
146	Sequence-specific nucleic acid mobility using a reversible block copolymer gel matrix and DNA amphiphiles (lipid-DNA) in capillary and microfluidic electrophoretic separations. <i>Electrophoresis</i> , 2015, 36, 2451-2464.	2.4	4
147	Solvent-Free Liquid Crystals and Liquids Based on Genetically Engineered Supercharged Polypeptides with High Elasticity. <i>Advanced Materials</i> , 2015, 27, 2459-2465.	21.0	34
148	Potential of acylated peptides to target the influenza A virus. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 589-595.	2.2	6
149	Patterning two-dimensional free-standing surfaces with mesoporous conducting polymers. <i>Nature Communications</i> , 2015, 6, 8817.	12.8	193
150	A cholesterol consensus motif is required for efficient intracellular transport and raft association of a group 2 HA from influenza virus. <i>Biochemical Journal</i> , 2015, 465, 305-314.	3.7	22
151	Mechanism of Orientation-Dependent Asymmetric Charge Transport in Tunneling Junctions Comprising Photosystem I. <i>Journal of the American Chemical Society</i> , 2015, 137, 8419-8427.	13.7	64
152	Time-controlled phagocytosis of asymmetric liposomes: Application to phosphatidylserine immunoliposomes binding HIV-1 virus-like particles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1985-1992.	3.3	10
153	Single-virus force spectroscopy unravels molecular details of virus infection. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 620-632.	1.3	18
154	Solvent-free Liquid Crystals and Liquids from DNA. <i>Chemistry - A European Journal</i> , 2015, 21, 4898-4903.	3.3	39
155	High-Density Noncovalent Functionalization of DNA by Electrostatic Interactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 12884-12889.	13.7	18
156	Potential of Proapoptotic Peptides to Induce the Formation of Giant Plasma Membrane Vesicles with Lipid Domains. <i>ChemBioChem</i> , 2015, 16, 1288-1292.	2.6	2
157	Formation and Properties of Membrane-Ordered Domains by Phytoceramide: Role of Sphingoid Base Hydroxylation. <i>Langmuir</i> , 2015, 31, 9410-9421.	3.5	20
158	Intramolecular photostabilization via triplet-state quenching: design principles to make organic fluorophores "self-healing". <i>Faraday Discussions</i> , 2015, 184, 221-235.	3.2	31
159	Alteration of Protein Levels during Influenza Virus H1N1 Infection in Host Cells: A Proteomic Survey of Host and Virus Reveals Differential Dynamics. <i>PLoS ONE</i> , 2014, 9, e94257.	2.5	38
160	Thermotropic liquid crystals from biomacromolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18596-18600.	7.1	61
161	Dynamics of the circadian clock protein PERIOD2 in living cells. <i>Journal of Cell Science</i> , 2014, 127, 4322-8.	2.0	21
162	Conformationally Constrained Cyclic Peptides: Powerful Scaffolds for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7599-7603.	13.8	25

#	ARTICLE	IF	CITATIONS
163	Self-Assembly of Ferromagnetic Organic-Inorganic Perovskite-Like Films. <i>Small</i> , 2014, 10, 4912-4919.	10.0	13
164	Efficient Separation of Conjugated Polymers Using a Water Soluble Glycoprotein Matrix: From Fluorescence Materials to Light Emitting Devices. <i>Macromolecular Bioscience</i> , 2014, 14, 320-326.	4.1	9
165	Env-decorated phosphatidylserine liposomes trigger phagocytosis of HIV-virus-like particles in macrophages. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, e981-e989.	3.3	14
166	pH-Controlled Two-Step Uncoating of Influenza Virus. <i>Biophysical Journal</i> , 2014, 106, 1447-1456.	0.5	106
167	Solid-State Biophotovoltaic Cells Containing Photosystem I. <i>Advanced Materials</i> , 2014, 26, 4863-4869.	21.0	83
168	Lipophilic nucleic acids – A flexible construction kit for organization and functionalization of surfaces. <i>Advances in Colloid and Interface Science</i> , 2014, 208, 235-251.	14.7	35
169	Receptor binding and pH stability – How influenza A virus hemagglutinin affects host-specific virus infection. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1153-1168.	2.6	151
170	A surface-bound molecule that undergoes optically biased Brownian rotation. <i>Nature Nanotechnology</i> , 2014, 9, 131-136.	31.5	52
171	The Power of Two: Covalent Coupling of Photostabilizers for Fluorescence Applications. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3792-3798.	4.6	35
172	DNA-controlled aggregation of virus like particles – mimicking a tetherin-like mechanism. <i>New Journal of Chemistry</i> , 2014, 38, 5181-5185.	2.8	6
173	Carbon Nanotube Network Ambipolar Field-Effect Transistors with 10^8 On/Off Ratio. <i>Advanced Materials</i> , 2014, 26, 5969-5975.	21.0	91
174	A Histidine Residue of the Influenza Virus Hemagglutinin Controls the pH Dependence of the Conformational Change Mediating Membrane Fusion. <i>Journal of Virology</i> , 2014, 88, 13189-13200.	3.4	32
175	Influenza A Matrix Protein M1 Multimerizes upon Binding to Lipid Membranes. <i>Biophysical Journal</i> , 2014, 107, 912-923.	0.5	62
176	Probing the Shielding Properties of Aptameric Protective Groups. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2225-2231.	3.3	2
177	Functionalization of Fatty Acid Vesicles through Newly Synthesized Bolaamphiphile-DNA Conjugates. <i>Bioconjugate Chemistry</i> , 2014, 25, 1678-1688.	3.6	14
178	Nucleic Acid Chemistry in the Organic Phase: From Functionalized Oligonucleotides to DNA Side Chain Polymers. <i>Journal of the American Chemical Society</i> , 2014, 136, 14255-14262.	13.7	83
179	Membrane properties of cholesterol analogs with an unbranched aliphatic side chain. <i>Chemistry and Physics of Lipids</i> , 2014, 184, 1-6.	3.2	15
180	The cholesterol-binding motif of the HIV-1 glycoprotein gp41 regulates lateral sorting and oligomerization. <i>Cellular Microbiology</i> , 2014, 16, 1565-1581.	2.1	32

#	ARTICLE	IF	CITATIONS
181	Acylation and cholesterol binding are not required for targeting of influenza A virus M2 protein to the hemagglutininâ€defined budozone. FEBS Letters, 2014, 588, 1031-1036.	2.8	17
182	Antiadhesive Polymer Brush Coating Functionalized with Antimicrobial and RGD Peptides to Reduce Biofilm Formation and Enhance Tissue Integration. Biomacromolecules, 2014, 15, 2019-2026.	5.4	112
183	Lightâ€Triggered Sequenceâ€Specific Cargo Release from DNA Block Copolymerâ€Lipid Vesicles. Angewandte Chemie - International Edition, 2013, 52, 1008-1012.	13.8	78
184	Membrane bound Î±â€synuclein is fully embedded in the lipid bilayer while segments with higher flexibility remain. FEBS Letters, 2013, 587, 2572-2577.	2.8	25
185	Enhancing cellular uptake of GFP via unfolded supercharged protein tags. Biomaterials, 2013, 34, 4360-4367.	11.4	32
186	Lipid domain association of influenza virus proteins detected by dynamic fluorescence microscopy techniques. Cellular Microbiology, 2013, 15, 179-189.	2.1	21
187	Semiconducting Singleâ€Walled Carbon Nanotubes on Demand by Polymer Wrapping. Advanced Materials, 2013, 25, 2948-2956.	21.0	177
188	Regioselective Diazoâ€Transfer Reaction at the C3â€Position of the 2â€Desoxystreptamine Ring of Neamine Antibiotics. Chemistry - A European Journal, 2013, 19, 9151-9154.	3.3	13
189	Drug delivery systems based on nucleic acid nanostructures. Journal of Controlled Release, 2013, 172, 467-483.	9.9	78
190	â€Giant Surfactantsâ€Created by the Fast and Efficient Functionalization of a DNA Tetrahedron with a Temperature-Responsive Polymer. ACS Nano, 2013, 7, 8561-8572.	14.6	93
191	Recombinant Supercharged Polypeptides Restore and Improve Biolubrication. Advanced Materials, 2013, 25, 3426-3431.	21.0	28
192	Structure and Dynamics of Molecular Rods in Membranes: Application of a Spinâ€Labeled Rod. Chemistry - A European Journal, 2013, 19, 2703-2710.	3.3	9
193	Influenza virus binds its host cell using multiple dynamic interactions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13626-13631.	7.1	119
194	Functional relevance of transmembrane domains in membrane fusion. Biological Chemistry, 2012, 393, 1231-1245.	2.5	6
195	Growth of influenza A virus is not impeded by simultaneous removal of the cholesterol-binding and acylation sites in the M2 protein. Journal of General Virology, 2012, 93, 282-292.	2.9	25
196	Remote Control of Lipophilic Nucleic Acids Domain Partitioning by DNA Hybridization and Enzymatic Cleavage. Journal of the American Chemical Society, 2012, 134, 20490-20497.	13.7	35
197	Modular Assembly of a Pd Catalyst within a DNA Scaffold for the Amplified Colorimetric and Fluorimetric Detection of Nucleic Acids. Angewandte Chemie - International Edition, 2012, 51, 11894-11898.	13.8	32
198	Non-covalent Monolayer-Piercing Anchoring of Lipophilic Nucleic Acids: Preparation, Characterization, and Sensing Applications. Journal of the American Chemical Society, 2012, 134, 280-292.	13.7	47

#	ARTICLE	IF	CITATIONS
199	PNA FIT-Probes for the Dual Color Imaging of Two Viral mRNA Targets in Influenza H1N1 Infected Live Cells. <i>Bioconjugate Chemistry</i> , 2012, 23, 2051-2060.	3.6	77
200	High Performance Ambipolar Field-Effect Transistor of Random Network Carbon Nanotubes. <i>Advanced Materials</i> , 2012, 24, 6147-6152.	21.0	109
201	Selective transformations of complex molecules are enabled by aptameric protective groups. <i>Nature Chemistry</i> , 2012, 4, 789-793.	13.6	56
202	DNA Block Copolymers: Functional Materials for Nanoscience and Biomedicine. <i>Accounts of Chemical Research</i> , 2012, 45, 1419-1430.	15.6	152
203	Mutation of a raft-targeting signal in the transmembrane region retards transport of influenza virus hemagglutinin through the Golgi. <i>FEBS Letters</i> , 2012, 586, 277-282.	2.8	14
204	Synthesis of DNA block copolymers with extended nucleic acid segments by enzymatic ligation: cut and paste large hybrid architectures. <i>Chemical Communications</i> , 2011, 47, 2243.	4.1	27
205	Bending and Puncturing the Influenza Lipid Envelope. <i>Biophysical Journal</i> , 2011, 100, 637-645.	0.5	101
206	The Pathway to Membrane Fusion through Hemifusion. <i>Current Topics in Membranes</i> , 2011, 68, 1-32.	0.9	13
207	Reduction-Sensitive Liposomes from a Multifunctional Lipid Conjugate and Natural Phospholipids: Reduction and Release Kinetics and Cellular Uptake. <i>Langmuir</i> , 2011, 27, 10820-10829.	3.5	63
208	New molecular rods – Characterization of their interaction with membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2781-2788.	2.6	15
209	Nucleic acid amphiphiles: synthesis and self-assembled nanostructures. <i>Chemical Society Reviews</i> , 2011, 40, 5745.	38.1	177
210	Intrinsic membrane association of the cytoplasmic tail of influenza virus M2 protein and lateral membrane sorting regulated by cholesterol binding and palmitoylation. <i>Biochemical Journal</i> , 2011, 437, 389-397.	3.7	52
211	Synthesis of novel amphiphilic conjugates with a biological recognition function for developing targeted triggered liposomal delivery systems. <i>Tetrahedron</i> , 2011, 67, 7763-7774.	1.9	10
212	De Novo Design of Supercharged, Unfolded Protein Polymers, and Their Assembly into Supramolecular Aggregates. <i>Macromolecular Rapid Communications</i> , 2011, 32, 186-190.	3.9	46
213	Fluorescence Imaging of Influenza H1N1 mRNA in Living Infected Cells Using Single-Chromophore FITA-PNA. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1931-1934.	13.8	112
214	DNA Block Copolymer Doing It All: From Selection to Self-Assembly of Semiconducting Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3206-3210.	13.8	60
215	Inhibition of Influenza Virus Activity by Multivalent Glycoarchitectures with Matched Sizes. <i>ChemBioChem</i> , 2011, 12, 887-895.	2.6	113
216	Pluronic-lysozyme conjugates as anti-adhesive and antibacterial bifunctional polymers for surface coating. <i>Biomaterials</i> , 2011, 32, 6333-6341.	11.4	122

#	ARTICLE	IF	CITATIONS
217	Amphiphilic DNA Block Copolymers: Nucleic Acid-Polymer Hybrid Materials for Diagnostics and Biomedicine. <i>Methods in Molecular Biology</i> , 2011, 751, 239-266.	0.9	10
218	FLIM-FRET and FRAP reveal association of influenza virus haemagglutinin with membrane rafts. <i>Biochemical Journal</i> , 2010, 425, 567-573.	3.7	76
219	Tunable Hydrophobicity in DNA Micelles: Design, Synthesis, and Characterization of a New Family of DNA Amphiphiles. <i>Chemistry - A European Journal</i> , 2010, 16, 12852-12859.	3.3	54
220	Nucleic Acid/Organic Polymer Hybrid Materials: Synthesis, Superstructures, and Applications. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8574-8587.	13.8	136
221	Polarizability of DNA Block Copolymer Nanoparticles Observed by Electrostatic Force Microscopy. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1242-1246.	3.9	7
222	Inhibition of Influenza Virus Infection by Multivalent Sialic Acid-Functionalized Gold Nanoparticles. <i>Small</i> , 2010, 6, 2900-2906.	10.0	257
223	Intrinsic Cytoskeleton-Dependent Clustering of Influenza Virus M2 Protein with Hemagglutinin Assessed by FLIM-FRET. <i>Journal of Virology</i> , 2010, 84, 12445-12449.	3.4	28
224	Direct Visualization of Large and Protein-Free Hemifusion Diaphragms. <i>Biophysical Journal</i> , 2010, 98, 1192-1199.	0.5	59
225	Hemagglutinin of Influenza Virus Partitions into the Nonraft Domain of Model Membranes. <i>Biophysical Journal</i> , 2010, 99, 489-498.	0.5	55
226	DNA-functionalised blend micelles: mix and fix polymeric hybrid nanostructures. <i>Chemical Communications</i> , 2010, 46, 4935.	4.1	32
227	Virus-like Particles Templated by DNA Micelles: A General Method for Loading Virus Nanocarriers. <i>Journal of the American Chemical Society</i> , 2010, 132, 7834-7835.	13.7	130
228	A Fluorogenic Reaction Based on Heavy-Atom Removal for Ultrasensitive DNA Detection. <i>Journal of the American Chemical Society</i> , 2010, 132, 12197-12199.	13.7	46
229	Site-specific incorporation of perylene into an N-terminally modified light-harvesting complex II. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4823.	2.8	6
230	Lipid Domain Specific Recruitment of Lipophilic Nucleic Acids: A Key for Switchable Functionalization of Membranes. <i>Journal of the American Chemical Society</i> , 2010, 132, 16066-16072.	13.7	60
231	Single-Molecule Redox Blinking of Perylene Diimide Derivatives in Water. <i>Journal of the American Chemical Society</i> , 2010, 132, 2404-2409.	13.7	49
232	Visualization of Lipid Domain-Specific Protein Sorting in Giant Unilamellar Vesicles. <i>Methods in Molecular Biology</i> , 2010, 606, 115-126.	0.9	11
233	Lateral Distribution of the Transmembrane Domain of Influenza Virus Hemagglutinin Revealed by Time-resolved Fluorescence Imaging. <i>Journal of Biological Chemistry</i> , 2009, 284, 15708-15716.	3.4	73
234	Myristoylation of the arterivirus E protein: the fatty acid modification is not essential for membrane association but contributes significantly to virus infectivity. <i>Journal of General Virology</i> , 2009, 90, 2704-2712.	2.9	16

#	ARTICLE	IF	CITATIONS
235	The polybasic region is not essential for membrane binding of the matrix protein M1 of influenza virus. <i>Virology</i> , 2009, 383, 150-155.	2.4	36
236	Rainbow Perylene Monoimides: Easy Control of Optical Properties. <i>Chemistry - A European Journal</i> , 2009, 15, 878-884.	3.3	79
237	Linking Phospholipase Mobility to Activity by Single-Molecule Wide-Field Microscopy. <i>ChemPhysChem</i> , 2009, 10, 151-161.	2.1	61
238	Molecular Rods with Oligospiroketal Backbones as Anchors in Biological Membranes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4433-4435.	13.8	15
239	The Lipid Modifications of Ras that Sense Membrane Environments and Induce Local Enrichment. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8784-8787.	13.8	67
240	Energetics of the loop-to-helix transition leading to the coiled-coil structure of influenza virus hemagglutinin HA2 subunits. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 74, 291-303.	2.6	17
241	Controlled Assembly of Vesicle-Based Nanocontainers on Layer-by-Layer Particles via DNA Hybridization. <i>Small</i> , 2009, 5, 320-323.	10.0	30
242	Generation of Multiblock Copolymers by PCR: Synthesis, Visualization and Nanomechanical Properties. <i>Nano Letters</i> , 2009, 9, 3658-3662.	9.1	30
243	Diffusion in Model Networks as Studied by NMR and Fluorescence Correlation Spectroscopy. <i>Macromolecules</i> , 2009, 42, 4681-4689.	4.8	47
244	Poly(BODIPY)s: A New Class of Tunable Polymeric Dyes. <i>Macromolecules</i> , 2009, 42, 6529-6536.	4.8	89
245	Perylenes as sensitizers in hybrid solar cells: how molecular size influences performance. <i>Journal of Materials Chemistry</i> , 2009, 19, 5405.	6.7	57
246	Lipid Membranes Carrying Lipophilic Cholesterol-Based Oligonucleotides—Characterization and Application on Layer-by-Layer Coated Particles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16425-16434.	2.6	57
247	Size-Dependent Optical Properties of Dendronized Perylenediimide Nanoparticle Prepared by Laser Ablation in Water. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 065002.	1.5	17
248	Characterization of lipid bilayers adsorbed on spherical LbL-support. <i>Soft Matter</i> , 2009, 5, 3331.	2.7	13
249	Cellular Uptake of DNA Block Copolymer Micelles with Different Shapes. <i>Macromolecular Rapid Communications</i> , 2008, 29, 326-329.	3.9	103
250	An Improved Perylene Sensitizer for Solar Cell Applications. <i>ChemSusChem</i> , 2008, 1, 615-618.	6.8	189
251	Synthesis of Nucleosides with 2'-Fixed Lipid Anchors and Their Behavior in Phospholipid Membranes. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1917-1928.	2.4	21
252	Enzymatic Control of the Size of DNA Block Copolymer Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 974-976.	13.8	76

#	ARTICLE	IF	CITATIONS
253	Radical Polymerization Tracked by Single Molecule Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 783-787.	13.8	75
254	Water-Soluble Monofunctional Perylene and Terrylene Dyes: Powerful Labels for Single-Enzyme Tracking. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3372-3375.	13.8	112
255	Amino-substituted rylene dicarboximides and their quinoidal charge delocalization after deprotonation. <i>Chemical Communications</i> , 2008, , 5028.	4.1	10
256	Energy and charge transfer in blends of dendronized perylenes with polyfluorene. <i>Journal of Chemical Physics</i> , 2008, 129, 114901.	3.0	16
257	Î±-Synuclein Selectively Binds to Anionic Phospholipids Embedded in Liquid-Disordered Domains. <i>Journal of Molecular Biology</i> , 2008, 375, 1394-1404.	4.2	165
258	How lipid flippases can modulate membrane structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1591-1600.	2.6	136
259	Photoinduced electron-transfer in perylenediimide triphenylamine-based dendrimers: single photon timing and femtosecond transient absorption spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 597-604.	2.9	40
260	In-Situ Visualization of the Enzymatic Growth of Surface-Immobilized DNA Block Copolymer Micelles by Scanning Force Microscopy. <i>Macromolecules</i> , 2008, 41, 2914-2919.	4.8	24
261	Exploiting the Nitrotriacetic Acid Moiety for Biolabeling with Ultrastable Perylene Dyes. <i>Journal of the American Chemical Society</i> , 2008, 130, 5398-5399.	13.7	100
262	Lipophilic Oligonucleotides Spontaneously Insert into Lipid Membranes, Bind Complementary DNA Strands, and Sequester into Lipid-Disordered Domains. <i>Langmuir</i> , 2007, 23, 4455-4464.	3.5	54
263	Flippase Activity Detected with Unlabeled Lipids by Shape Changes of Giant Unilamellar Vesicles. <i>Journal of Biological Chemistry</i> , 2007, 282, 15559-15568.	3.4	59
264	The relevance of salt bridges for the stability of the influenza virus hemagglutinin. <i>FASEB Journal</i> , 2007, 21, 995-1002.	0.5	58
265	DNA meets synthetic polymers—highly versatile hybrid materials. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1311-1320.	2.8	173
266	Intramolecular Charge-Transfer Tuning of Perylenes: Spectroscopic Features and Performance in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15137-15140.	3.1	225
267	DNA multiblock copolymers. <i>Chemical Communications</i> , 2007, , 1358.	4.1	37
268	Energy Transfer in Molecular Layer-by-Layer Films of Water-Soluble Perylene Diimides. <i>Langmuir</i> , 2007, 23, 4623-4628.	3.5	27
269	Energy and Electron Transfer in Ethynylene Bridged Perylene Diimide Multichromophores. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4861-4870.	3.1	83
270	Visualization of Membrane Rafts Using a Perylene Monoimide Derivative and Fluorescence Lifetime Imaging. <i>Biophysical Journal</i> , 2007, 93, 2877-2891.	0.5	49

#	ARTICLE	IF	CITATIONS
271	Engineering the Structural Properties of DNA Block Copolymer Micelles by Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1172-1175.	13.8	151
272	Nucleosides with 5'-Fixed Lipid Groups: Synthesis and Anchoring in Lipid Membranes. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 6060-6069.	2.4	14
273	Conformational change of influenza virus hemagglutinin is sensitive to ionic concentration. <i>European Biophysics Journal</i> , 2007, 36, 327-335.	2.2	16
274	From Industrial Colorants to Single Photon Sources and Biolabels: The Fascination and Function of Rylene Dyes. <i>Chemistry Letters</i> , 2006, 35, 978-985.	1.3	161
275	Visualizing spatial and temporal heterogeneity of single molecule rotational diffusion in a glassy polymer by defocused wide-field imaging. <i>Polymer</i> , 2006, 47, 2511-2518.	3.8	130
276	Twin Probes as a Novel Tool for the Detection of Single-Nucleotide Polymorphisms. <i>Chemistry - A European Journal</i> , 2006, 12, 3707-3713.	3.3	32
277	DNA-Templated Synthesis in Three Dimensions: Introducing a Micellar Scaffold for Organic Reactions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4206-4210.	13.8	161
278	Lipid-Anchored Oligonucleotides for Stable Double-Helix Formation in Distinct Membrane Domains. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4440-4444.	13.8	77
279	Nanoscale Structural and Electronic Properties of Ultrathin Blends of Two Polyaromatic Molecules: A Kelvin Probe Force Microscopy Investigation. <i>ChemPhysChem</i> , 2006, 7, 847-853.	2.1	10
280	Headgroup-specific Exposure of Phospholipids in ABCA1-expressing Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 26321-26329.	3.4	63
281	Delivery of Antisense Oligonucleotides Using Cholesterol-Modified Sense Dendrimers and Cationic Lipids. <i>Bioconjugate Chemistry</i> , 2005, 16, 827-836.	3.6	24
282	Polyphenylene Dendrimers as Scaffolds for Shape-Persistent Multiple Peptide Conjugates. <i>Bioconjugate Chemistry</i> , 2005, 16, 283-293.	3.6	51
283	Function of prokaryotic and eukaryotic ABC proteins in lipid transport. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1733, 29-52.	2.4	130
284	Coherent Electronic Coupling versus Localization in Individual Molecular Dimers. <i>Physical Review Letters</i> , 2004, 92, 103001.	7.8	93
285	Tracking down lipid flippases and their biological functions. <i>Journal of Cell Science</i> , 2004, 117, 805-813.	2.0	180
286	Peptide-functionalized polyphenylene dendrimers. <i>Tetrahedron</i> , 2003, 59, 3925-3935.	1.9	46
287	Protein-mediated transbilayer movement of lipids in eukaryotes and prokaryotes: the relevance of ABC transporters. <i>International Journal of Antimicrobial Agents</i> , 2003, 22, 177-187.	2.5	26
288	Fluorescent Self-Assembled Polyphenylene Dendrimer Nanofibers. <i>Macromolecules</i> , 2003, 36, 8489-8498.	4.8	67

#	ARTICLE	IF	CITATIONS
289	Fluorescence and Intramolecular Energy Transfer in Polyphenylene Dendrimers. <i>Macromolecules</i> , 2003, 36, 5918-5925.	4.8	108
290	Early steps of the conformational change of influenza virus hemagglutinin to a fusion active state. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1614, 3-13.	2.6	59
291	Generation dependent singlet-singlet annihilation within multichromophoric dendrimers studied by polychromatic transient absorption. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 1118-1124.	2.9	10
292	Enhanced exposure of phosphatidylserine in human gastric carcinoma cells overexpressing the half-size ABC transporter BCRP (ABCG2). <i>Biochemical Journal</i> , 2003, 376, 489-495.	3.7	94
293	The Potential of Fluorescent and Spin-labeled Steroid Analogs to Mimic Natural Cholesterol. <i>Journal of Biological Chemistry</i> , 2003, 278, 45563-45569.	3.4	171
294	Transport of phosphatidylserine via MDR1 (multidrug resistance 1)P-glycoprotein in a human gastric carcinoma cell line. <i>Biochemical Journal</i> , 2002, 365, 259-268.	3.7	79
295	Transbilayer Movement of Fluorescent Phospholipid Analogues in the Cytoplasmic Membrane of <i>Escherichia coli</i> . <i>Biochemistry</i> , 2002, 41, 5605-5612.	2.5	52
296	Transbilayer Movement of Monohexosylsphingolipids in Endoplasmic Reticulum and Golgi Membranes. <i>Biochemistry</i> , 2002, 41, 13106-13115.	2.5	73
297	Rapid Transbilayer Movement of the Fluorescent Sterol Dehydroergosterol in Lipid Membranes. <i>Biophysical Journal</i> , 2002, 83, 1525-1534.	0.5	87
298	Transbilayer Movement of Phospholipids at the Main Phase Transition of Lipid Membranes: Implications for Rapid Flip-Flop in Biological Membranes. <i>Biophysical Journal</i> , 2002, 83, 3315-3323.	0.5	116
299	Protonation and Stability of the Globular Domain of Influenza Virus Hemagglutinin. <i>Biophysical Journal</i> , 2002, 82, 1050-1058.	0.5	60
300	Polyphenylene Dendrimers with Different Fluorescent Chromophores Asymmetrically Distributed at the Periphery. <i>Journal of the American Chemical Society</i> , 2001, 123, 8101-8108.	13.7	151
301	Intramolecular Energy Hopping and Energy Trapping in Polyphenylene Dendrimers with Multiple Peryleneimide Donor Chromophores and a Terryleneimide Acceptor Trap Chromophore. <i>Journal of the American Chemical Society</i> , 2001, 123, 7668-7676.	13.7	142
302	Probing Photophysical Processes in Individual Multichromophoric Dendrimers by Single-Molecule Spectroscopy. <i>Journal of the American Chemical Society</i> , 2000, 122, 9278-9288.	13.7	230
303	Modification of the Cytoplasmic Domain of Influenza Virus Hemagglutinin Affects Enlargement of the Fusion Pore. <i>Journal of Virology</i> , 2000, 74, 7529-7537.	3.4	55
304	Rapid Flip-Flop of Phospholipids in Endoplasmic Reticulum Membranes Studied by a Stopped-Flow Approach. <i>Biophysical Journal</i> , 2000, 78, 2628-2640.	0.5	85
305	Structure of influenza haemagglutinin at neutral and at fusogenic pH by electron cryo-microscopy. <i>FEBS Letters</i> , 1999, 463, 255-259.	2.8	90
306	Electrochemistry, Spectroscopy and Electrogenated Chemiluminescence of Perylene, Terrylene, and Quaterylene Diimides in Aprotic Solution. <i>Journal of the American Chemical Society</i> , 1999, 121, 3513-3520.	13.7	453

#	ARTICLE	IF	CITATIONS
307	Conformational Intermediates and Fusion Activity of Influenza Virus Hemagglutinin. <i>Journal of Virology</i> , 1999, 73, 4567-4574.	3.4	73
308	Compensating lipid fluxes generated by the aminophospholipid translocase. <i>Molecular Membrane Biology</i> , 1998, 15, 213-220.	2.0	4
309	Fusion Activity of Transmembrane and Cytoplasmic Domain Chimeras of the Influenza Virus Glycoprotein Hemagglutinin. <i>Journal of Virology</i> , 1998, 72, 133-141.	3.4	43
310	Transient Changes of the Conformation of Hemagglutinin of Influenza Virus at Low pH Detected by Time-resolved Circular Dichroism Spectroscopy. <i>Journal of Biological Chemistry</i> , 1997, 272, 9764-9770.	3.4	39
311	Modelling of Phospholipid Translocation in the Erythrocyte Membrane: A Combined Kinetic and Thermodynamic Approach. <i>Journal of Theoretical Biology</i> , 1997, 185, 295-312.	1.7	21
312	ATP-dependent redistribution of phosphatidylethanolamine in the plasma membrane of an epithelial and a hepatocytic cell line. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 431, R243-R244.	2.8	0
313	Analysis of delay times of hemagglutinin-mediated fusion between influenza virus and cell membranes. <i>European Biophysics Journal</i> , 1995, 24, 55-64.	2.2	11
314	A KINETIC MODEL OF PHOSPHOLIPID TRANSLOCATION IN THE ERYTHROCYTE MEMBRANE. <i>Journal of Biological Systems</i> , 1995, 03, 95-103.	1.4	0
315	Structure and Topology of the Influenza Virus Fusion Peptide in Lipid Bilayers. <i>Journal of Biological Chemistry</i> , 1995, 270, 27606-27614.	3.4	122
316	pH-dependent binding of the fluorophore bis-ANS to influenza virus reflects the conformational change of hemagglutinin. <i>European Biophysics Journal</i> , 1994, 23, 105-13.	2.2	35
317	On the validity of lipid dequenching assays for estimating virus fusion kinetics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1190, 360-366.	2.6	19
318	Rapid determination of the transbilayer distribution of NBD-phospholipids in erythrocyte membranes with dithionite. <i>Molecular Membrane Biology</i> , 1994, 11, 39-44.	2.0	59
319	Role of Target Membrane Structure in Fusion with Influenza Virus: Effect of Modulating Erythrocyte Transbilayer Phospholipid Distribution. <i>Membrane Biochemistry</i> , 1993, 10, 3-15.	0.6	16
320	Protein-mediated phospholipid translocation in the endoplasmic reticulum with a low lipid specificity. <i>Biochemistry</i> , 1990, 29, 2023-2027.	2.5	131
321	Conformational alterations within the glycocalyx of erythrocyte membranes studied by spin labelling. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 861, 111-121.	2.6	10