Andreas Herrmann

List of Publications by Year
in descending order

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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	Electrochemistry, Spectroscopy and Electrogenerated Chemiluminescence of Perylene, Terrylene, and Quaterrylene Diimides in Aprotic Solution. Journal of the American Chemical Society, 1999, 121, 3513-3520.	13.7	453
2	Inhibition of Influenza Virus Infection by Multivalent Sialicâ€Acidâ€Functionalized Gold Nanoparticles. Small, 2010, 6, 2900-2906.	10.0	257
3	Probing Photophysical Processes in Individual Multichromophoric Dendrimers by Single-Molecule Spectroscopy. Journal of the American Chemical Society, 2000, 122, 9278-9288.	13.7	230
4	Intramolecular Charge-Transfer Tuning of Perylenes:â€‰ Spectroscopic Features and Performance in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2007, 111, 15137-15140.	3.1	225
5	Patterning two-dimensional free-standing surfaces with mesoporous conducting polymers. Nature Communications, 2015, 6, 8817.	12.8	193
6	An Improved Perylene Sensitizer for Solar Cell Applications. ChemSusChem, 2008, 1, 615-618.	6.8	189
7	Tracking down lipid flippases and their biological functions. Journal of Cell Science, 2004, 117, 805-813.	2.0	180
8	Nucleic acid amphiphiles: synthesis and self-assembled nanostructures. Chemical Society Reviews, 2011, 40, 5745.	38.1	177
9	Semiconducting Singleâ€Walled Carbon Nanotubes on Demand by Polymer Wrapping. Advanced Materials, 2013, 25, 2948-2956.	21.0	177
10	DNA meets synthetic polymersâ€”highly versatile hybrid materials. Organic and Biomolecular Chemistry, 2007, 5, 1311-1320.	2.8	173
11	The Potential of Fluorescent and Spin-labeled Steroid Analogs to Mimic Natural Cholesterol. Journal of Biological Chemistry, 2003, 278, 45563-45569.	3.4	171
12	Î±-Synuclein Selectively Binds to Anionic Phospholipids Embedded in Liquid-Disordered Domains. Journal of Molecular Biology, 2008, 375, 1394-1404.	4.2	165
13	From Industrial Colorants to Single Photon Sources and Biolabels: The Fascination and Function of Rylene Dyes. Chemistry Letters, 2006, 35, 978-985.	1.3	161
14	DNA-Templated Synthesis in Three Dimensions: Introducing a Micellar Scaffold for Organic Reactions. Angewandte Chemie - International Edition, 2006, 45, 4206-4210.	13.8	161
15	Dissipative adaptation in driven self-assembly leading to self-dividing fibrils. Nature Nanotechnology, 2018, 13, 849-855.	31.5	160
16	DNA Block Copolymers: Functional Materials for Nanoscience and Biomedicine. Accounts of Chemical Research, 2012, 45, 1419-1430.	15.6	152
17	Mechanochemical bond scission for the activation of drugs. Nature Chemistry, 2021, 13, 131-139.	13.6	152
18	Polyphenylene Dendrimers with Different Fluorescent Chromophores Asymmetrically Distributed at the Periphery. Journal of the American Chemical Society, 2001, 123, 8101-8108.	13.7	151

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19	Engineering the Structural Properties of DNA Block Copolymer Micelles by Molecular Recognition. Angewandte Chemie - International Edition, 2007, 46, 1172-1175.	13.8	151
20	Receptor binding and pH stability â€" How influenza A virus hemagglutinin affects host-specific virus infection. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1153-1168.	2.6	151
21	Intramolecular Energy Hopping and Energy Trapping in Polyphenylene Dendrimers with Multiple Peryleneimide Donor Chromophores and a Terryleneimide Acceptor Trap Chromophore. Journal of the American Chemical Society, 2001, 123, 7668-7676.	13.7	142
22	How lipid flippases can modulate membrane structure. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1591-1600.	2.6	136
23	Nucleic Acid/Organic Polymer Hybrid Materials: Synthesis, Superstructures, and Applications. Angewandte Chemie - International Edition, 2010, 49, 8574-8587.	13.8	136
24	Protein-mediated phospholipid translocation in the endoplasmic reticulum with a low lipid specificity. Biochemistry, 1990, 29, 2023-2027.	2.5	131
25	Function of prokaryotic and eukaryotic ABC proteins in lipid transport. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1733, 29-52.	2.4	130
26	Visualizing spatial and temporal heterogeneity of single molecule rotational diffusion in a glassy polymer by defocused wide-field imaging. Polymer, 2006, 47, 2511-2518.	3.8	130
27	Virus-like Particles Templated by DNA Micelles: A General Method for Loading Virus Nanocarriers. Journal of the American Chemical Society, 2010, 132, 7834-7835.	13.7	130
28	Structure and Topology of the Influenza Virus Fusion Peptide in Lipid Bilayers. Journal of Biological Chemistry, 1995, 270, 27606-27614.	3.4	122
29	Pluronicâ€"lysozyme conjugates as anti-adhesive and antibacterial bifunctional polymers for surface coating. Biomaterials, 2011, 32, 6333-6341.	11.4	122
30	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
31	Transbilayer Movement of Phospholipids at the Main Phase Transition of Lipid Membranes: Implications for Rapid Flip-Flop in Biological Membranes. Biophysical Journal, 2002, 83, 3315-3323.	0.5	116
32	Inhibition of Influenza Virus Activity by Multivalent Glycoarchitectures with Matched Sizes. ChemBioChem, 2011, 12, 887-895.	2.6	113
33	Waterâ€Soluble Monofunctional Perylene and Terrylene Dyes: Powerful Labels for Singleâ€Enzyme Tracking. Angewandte Chemie - International Edition, 2008, 47, 3372-3375.	13.8	112
34	Fluorescence Imaging of Influenza H1N1 mRNA in Living Infected Cells Using Singleâ€Chromophore FITâ€PNA. Angewandte Chemie - International Edition, 2011, 50, 1931-1934.	13.8	112
35	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
36	High Performance Ambipolar Fieldâ€Effect Transistor of Random Network Carbon Nanotubes. Advanced Materials, 2012, 24, 6147-6152.	21.0	109

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37	Fluorescence and Intramolecular Energy Transfer in Polyphenylene Dendrimers. Macromolecules, 2003, 36, 5918-5925.	4.8	108
38	pH-Controlled Two-Step Uncoating of Influenza Virus. Biophysical Journal, 2014, 106, 1447-1456.	0.5	106
39	3Dâ€Printable Antimicrobial Composite Resins. Advanced Functional Materials, 2015, 25, 6756-6767.	14.9	105
40	Ultra-strong bio-glue from genetically engineered polypeptides. Nature Communications, 2021, 12, 3613.	12.8	104
41	Cellular Uptake of DNA Block Copolymer Micelles with Different Shapes. Macromolecular Rapid Communications, 2008, 29, 326-329.	3.9	103
42	Bending and Puncturing the Influenza Lipid Envelope. Biophysical Journal, 2011, 100, 637-645.	0.5	101
43	Exploiting the Nitrilotriacetic Acid Moiety for Biolabeling with Ultrastable Perylene Dyes. Journal of the American Chemical Society, 2008, 130, 5398-5399.	13.7	100
44	Fabrication and Mechanical Properties of Engineered Proteinâ€Based Adhesives and Fibers. Advanced Materials, 2020, 32, e1906360.	21.0	97
45	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. Nature Nanotechnology, 2020, 15, 373-379.	31.5	96
46	Enhanced exposure of phosphatidylserine in human gastric carcinoma cells overexpressing the half-size ABC transporter BCRP (ABCG2). Biochemical Journal, 2003, 376, 489-495.	3.7	94
47	Gold-DNA nanosunflowers for efficient gene silencing with controllable transformation. Science Advances, 2019, 5, eaaw6264.	10.3	94
48	Coherent Electronic Coupling versus Localization in Individual Molecular Dimers. Physical Review Letters, 2004, 92, 103001.	7.8	93
49	â€œGiant 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
50	A Hypothesis-Free Sensor Array Discriminates Whiskies for Brand, Age, and Taste. CheM, 2017, 2, 817-824.	11.7	93
51	Carbon Nanotube Network Ambipolar Fieldâ€Effect Transistors with 10⁸ On/Off Ratio. Advanced Materials, 2014, 26, 5969-5975.	21.0	91
52	Amyloid-Î²(1â€“42) Aggregation Initiates Its Cellular Uptake and Cytotoxicity. Journal of Biological Chemistry, 2016, 291, 19590-19606.	3.4	91
53	Structure of influenza haemagglutinin at neutral and at fusogenic pH by electron cryo-microscopy. FEBS Letters, 1999, 463, 255-259.	2.8	90
54	Poly(BODIPY)s: A New Class of Tunable Polymeric Dyes. Macromolecules, 2009, 42, 6529-6536.	4.8	89

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55	Twoâ€Dimensional Mesoscaleâ€Ordered Conducting Polymers. Angewandte Chemie - International Edition, 2016, 55, 12516-12521.	13.8	89
56	Rapid Transbilayer Movement of the Fluorescent Sterol Dehydroergosterol in Lipid Membranes. Biophysical Journal, 2002, 83, 1525-1534.	0.5	87
57	Multivalent Peptideâ€“Nanoparticle Conjugates for Influenzaâ€Virus Inhibition. Angewandte Chemie - International Edition, 2017, 56, 5931-5936.	13.8	86
58	Rapid Flip-Flop of Phospholipids in Endoplasmic Reticulum Membranes Studied by a Stopped-Flow Approach. Biophysical Journal, 2000, 78, 2628-2640.	0.5	85
59	DNA Nanotechnology Enters Cell Membranes. Advanced Science, 2019, 6, 1900043.	11.2	85
60	Energy and Electron Transfer in Ethynylene Bridged Perylene Diimide Multichromophores. Journal of Physical Chemistry C, 2007, 111, 4861-4870.	3.1	83
61	Solidâ€State Biophotovoltaic Cells Containing Photosystem I. Advanced Materials, 2014, 26, 4863-4869.	21.0	83
62	Nucleic Acid Chemistry in the Organic Phase: From Functionalized Oligonucleotides to DNA Side Chain Polymers. Journal of the American Chemical Society, 2014, 136, 14255-14262.	13.7	83
63	Linear polysialoside outperforms dendritic analogs for inhibition of influenza virus infection inÂvitro and inÂvivo. Biomaterials, 2017, 138, 22-34.	11.4	83
64	DNAâ€“surfactant complexes: self-assembly properties and applications. Chemical Society Reviews, 2017, 46, 5147-5172.	38.1	80
65	Optimal fluorescent protein tags for quantifying protein oligomerization in living cells. Scientific Reports, 2018, 8, 10634.	3.3	80
66	Transport of phosphatidylserine via MDR1 (multidrug resistance 1)P-glycoprotein in a human gastric carcinoma cell line. Biochemical Journal, 2002, 365, 259-268.	3.7	79
67	Rainbow Perylene Monoimides: Easy Control of Optical Properties. Chemistry - A European Journal, 2009, 15, 878-884.	3.3	79
68	Lightâ€Triggered Sequenceâ€Specific Cargo Release from DNA Block Copolymerâ€“Lipid Vesicles. Angewandte Chemie - International Edition, 2013, 52, 1008-1012.	13.8	78
69	Drug delivery systems based on nucleic acid nanostructures. Journal of Controlled Release, 2013, 172, 467-483.	9.9	78
70	Genetically Engineered Polypeptide Adhesive Coacervates for Surgical Applications. Angewandte Chemie - International Edition, 2021, 60, 23687-23694.	13.8	78
71	Lipid-Anchored Oligonucleotides for Stable Double-Helix Formation in Distinct Membrane Domains. Angewandte Chemie - International Edition, 2006, 45, 4440-4444.	13.8	77
72	PNA FIT-Probes for the Dual Color Imaging of Two Viral mRNA Targets in Influenza H1N1 Infected Live Cells. Bioconjugate Chemistry, 2012, 23, 2051-2060.	3.6	77

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73	Enzymatic Control of the Size of DNA Block Copolymer Nanoparticles. Angewandte Chemie - International Edition, 2008, 47, 974-976.	13.8	76
74	FLIM-FRET and FRAP reveal association of influenza virus haemagglutinin with membrane rafts. Biochemical Journal, 2010, 425, 567-573.	3.7	76
75	Radical Polymerization Tracked by Single Molecule Spectroscopy. Angewandte Chemie - International Edition, 2008, 47, 783-787.	13.8	75
76	Transbilayer Movement of Monohexosylsphingolipids in Endoplasmic Reticulum and Golgi Membranes. Biochemistry, 2002, 41, 13106-13115.	2.5	73
77	Lateral Distribution of the Transmembrane Domain of Influenza Virus Hemagglutinin Revealed by Time-resolved Fluorescence Imaging. Journal of Biological Chemistry, 2009, 284, 15708-15716.	3.4	73
78	Conformational Intermediates and Fusion Activity of Influenza Virus Hemagglutinin. Journal of Virology, 1999, 73, 4567-4574.	3.4	73
79	Toward Drug Release Using Polymer Mechanochemical Disulfide Scission. Journal of the American Chemical Society, 2020, 142, 14725-14732.	13.7	72
80	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. Angewandte Chemie - International Edition, 2015, 54, 13007-13011.	13.8	71
81	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. Journal of the American Chemical Society, 2017, 139, 16389-16397.	13.7	70
82	Photoswitching of DNA Hybridization Using a Molecular Motor. Journal of the American Chemical Society, 2018, 140, 5069-5076.	13.7	70
83	DNA nanoparticles for ophthalmic drug delivery. Biomaterials, 2018, 157, 98-106.	11.4	69
84	Antiâ€Stokes Stress Sensing: Mechanochemical Activation of Tripletâ€“Triplet Annihilation Photon Upconversion. Angewandte Chemie - International Edition, 2019, 58, 12919-12923.	13.8	68
85	Fluorescent Self-Assembled Polyphenylene Dendrimer Nanofibers. Macromolecules, 2003, 36, 8489-8498.	4.8	67
86	The Lipid Modifications of Ras that Sense Membrane Environments and Induce Local Enrichment. Angewandte Chemie - International Edition, 2009, 48, 8784-8787.	13.8	67
87	Ultrahigh Mobility in an Organic Semiconductor by Vertical Chain Alignment. Advanced Materials, 2016, 28, 2359-2366.	21.0	65
88	Functionalized Graphene as Extracellular Matrix Mimics: Toward Wellâ€Defined 2D Nanomaterials for Multivalent Virus Interactions. Advanced Functional Materials, 2017, 27, 1606477.	14.9	65
89	Mechanism of Orientation-Dependent Asymmetric Charge Transport in Tunneling Junctions Comprising Photosystem I. Journal of the American Chemical Society, 2015, 137, 8419-8427.	13.7	64
90	Headgroup-specific Exposure of Phospholipids in ABCA1-expressing Cells. Journal of Biological Chemistry, 2005, 280, 26321-26329.	3.4	63

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91	Reduction-Sensitive Liposomes from a Multifunctional Lipid Conjugate and Natural Phospholipids: Reduction and Release Kinetics and Cellular Uptake. Langmuir, 2011, 27, 10820-10829.	3.5	63
92	Influenza A Matrix Protein M1 Multimerizes upon Binding to Lipid Membranes. Biophysical Journal, 2014, 107, 912-923.	0.5	62
93	Charge Matters: Mutations in Omicron Variant Favor Binding to Cells. ChemBioChem, 2022, 23, e202100681.	2.6	62
94	Linking Phospholipase Mobility to Activity by Singleâ€Molecule Wideâ€Field Microscopy. ChemPhysChem, 2009, 10, 151-161.	2.1	61
95	Thermotropic liquid crystals from biomacromolecules. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18596-18600.	7.1	61
96	Mechanochemical activation of disulfide-based multifunctional polymers for theranostic drug release. Chemical Science, 2021, 12, 1668-1674.	7.4	61
97	Protonation and Stability of the Globular Domain of Influenza Virus Hemagglutinin. Biophysical Journal, 2002, 82, 1050-1058.	0.5	60
98	Lipid Domain Specific Recruitment of Lipophilic Nucleic Acids: A Key for Switchable Functionalization of Membranes. Journal of the American Chemical Society, 2010, 132, 16066-16072.	13.7	60
99	DNA Block Copolymer Doing It All: From Selection to Selfâ€Assembly of Semiconducting Carbon Nanotubes. Angewandte Chemie - International Edition, 2011, 50, 3206-3210.	13.8	60
100	Mobility-Based Quantification of Multivalent Virus-Receptor Interactions: New Insights Into Influenza A Virus Binding Mode. Nano Letters, 2019, 19, 1875-1882.	9.1	60
101	Rapid determination of the transbilayer distribution of NBD-phospholipids in erythrocyte membranes with dithionite. Molecular Membrane Biology, 1994, 11, 39-44.	2.0	59
102	Early steps of the conformational change of influenza virus hemagglutinin to a fusion active state. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1614, 3-13.	2.6	59
103	Flippase Activity Detected with Unlabeled Lipids by Shape Changes of Giant Unilamellar Vesicles. Journal of Biological Chemistry, 2007, 282, 15559-15568.	3.4	59
104	Direct Visualization of Large and Protein-Free Hemifusion Diaphragms. Biophysical Journal, 2010, 98, 1192-1199.	0.5	59
105	Tuning Ice Nucleation with Supercharged Polypeptides. Advanced Materials, 2016, 28, 5008-5012.	21.0	59
106	The relevance of salt bridges for the stability of the influenza virus hemagglutinin. FASEB Journal, 2007, 21, 995-1002.	0.5	58
107	Engineered Nearâ€Infrared Fluorescent Protein Assemblies for Robust Bioimaging and Therapeutic Applications. Advanced Materials, 2020, 32, e2000964.	21.0	58
108	Supercharged Proteins and Polypeptides. Advanced Materials, 2020, 32, e1905309.	21.0	58

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109	Perylenes as sensitizers in hybrid solar cells: how molecular size influences performance. Journal of Materials Chemistry, 2009, 19, 5405.	6.7	57
110	Lipid Membranes Carrying Lipophilic Cholesterol-Based Oligonucleotidesâ€"Characterization and Application on Layer-by-Layer Coated Particles. Journal of Physical Chemistry B, 2009, 113, 16425-16434.	2.6	57
111	Selective transformations of complex molecules are enabled by aptameric protective groups. Nature Chemistry, 2012, 4, 789-793.	13.6	56
112	Modification of the Cytoplasmic Domain of Influenza Virus Hemagglutinin Affects Enlargement of the Fusion Pore. Journal of Virology, 2000, 74, 7529-7537.	3.4	55
113	Hemagglutinin of Influenza Virus Partitions into the Nonraft Domain of Model Membranes. Biophysical Journal, 2010, 99, 489-498.	0.5	55
114	Lipophilic Oligonucleotides Spontaneously Insert into Lipid Membranes, Bind Complementary DNA Strands, and Sequester into Lipid-Disordered Domains. Langmuir, 2007, 23, 4455-4464.	3.5	54
115	Tunable Hydrophobicity in DNA Micelles: Design, Synthesis, and Characterization of a New Family of DNA Amphiphiles. Chemistry - A European Journal, 2010, 16, 12852-12859.	3.3	54
116	Transbilayer Movement of Fluorescent Phospholipid Analogues in the Cytoplasmic Membrane of Escherichia coli. Biochemistry, 2002, 41, 5605-5612.	2.5	52
117	Intrinsic membrane association of the cytoplasmic tail of influenza virus M2 protein and lateral membrane sorting regulated by cholesterol binding and palmitoylation. Biochemical Journal, 2011, 437, 389-397.	3.7	52
118	A surface-bound molecule that undergoes optically biased Brownian rotation. Nature Nanotechnology, 2014, 9, 131-136.	31.5	52
119	High Affinity Recognition of a Selected Amino Acid Epitope within a Protein by Cucurbit[8]uril Complexation. Angewandte Chemie - International Edition, 2016, 55, 14000-14004.	13.8	52
120	Polyphenylene Dendrimers as Scaffolds for Shape-Persistent Multiple Peptide Conjugates. Bioconjugate Chemistry, 2005, 16, 283-293.	3.6	51
121	An Optimized Sensor Array Identifies All Natural Amino Acids. ACS Sensors, 2018, 3, 1562-1568.	7.8	51
122	Visualization of Membrane Rafts Using a Perylene Monoimide Derivative and Fluorescence Lifetime Imaging. Biophysical Journal, 2007, 93, 2877-2891.	0.5	49
123	Single-Molecule Redox Blinking of Perylene Diimide Derivatives in Water. Journal of the American Chemical Society, 2010, 132, 2404-2409.	13.7	49
124	An Artificial Phaseâ€Transitional Underwater Bioglue with Robust and Switchable Adhesion Performance. Angewandte Chemie - International Edition, 2021, 60, 12082-12089.	13.8	48
125	Diffusion in Model Networks as Studied by NMR and Fluorescence Correlation Spectroscopy. Macromolecules, 2009, 42, 4681-4689.	4.8	47
126	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

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127	Amplification of a FRET Probe by Lipidâ€“Water Partition for the Detection of Acid Sphingomyelinase in Live Cells. Angewandte Chemie - International Edition, 2017, 56, 2790-2794.	13.8	47
128	Self-Assembly of Electrostatic Cocrystals from Supercharged Fusion Peptides and Protein Cages. ACS Macro Letters, 2018, 7, 318-323.	4.8	47
129	Peptide-functionalized polyphenylene dendrimers. Tetrahedron, 2003, 59, 3925-3935.	1.9	46
130	A Fluorogenic Reaction Based on Heavy-Atom Removal for Ultrasensitive DNA Detection. Journal of the American Chemical Society, 2010, 132, 12197-12199.	13.7	46
131	De Novo Design of Supercharged, Unfolded Protein Polymers, and Their Assembly into Supramolecular Aggregates. Macromolecular Rapid Communications, 2011, 32, 186-190.	3.9	46
132	Modular delivery of CpG-incorporated lipid-DNA nanoparticles for spleen DC activation. Biomaterials, 2017, 115, 81-89.	11.4	44
133	Quantification of Multivalent Interactions between Sialic Acid and Influenza A Virus Spike Proteins by Single-Molecule Force Spectroscopy. Journal of the American Chemical Society, 2020, 142, 12181-12192.	13.7	43
134	Fusion Activity of Transmembrane and Cytoplasmic Domain Chimeras of the Influenza Virus Glycoprotein Hemagglutinin. Journal of Virology, 1998, 72, 133-141.	3.4	43
135	Lipids Activate SecA for High Affinity Binding to the SecYEG Complex. Journal of Biological Chemistry, 2016, 291, 22534-22543.	3.4	42
136	Live-cell imaging of circadian clock protein dynamics in CRISPR-generated knock-in cells. Nature Communications, 2021, 12, 3796.	12.8	42
137	Photoinduced electron-transfer in perylenediimide triphenylamine-based dendrimers: single photon timing and femtosecond transient absorption spectroscopy. Photochemical and Photobiological Sciences, 2008, 7, 597-604.	2.9	40
138	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. Journal of Virology, 2017, 91, .	3.4	40
139	Transient Changes of the Conformation of Hemagglutinin of Influenza Virus at Low pH Detected by Time-resolved Circular Dichroism Spectroscopy. Journal of Biological Chemistry, 1997, 272, 9764-9770.	3.4	39
140	Solventâ€free Liquid Crystals and Liquids from DNA. Chemistry - A European Journal, 2015, 21, 4898-4903.	3.3	39
141	Controlling the volatility of the written optical state in electrochromic DNA liquid crystals. Nature Communications, 2016, 7, 11476.	12.8	39
142	Alteration of Protein Levels during Influenza Virus H1N1 Infection in Host Cells: A Proteomic Survey of Host and Virus Reveals Differential Dynamics. PLoS ONE, 2014, 9, e94257.	2.5	38
143	Phosphatidylserine Lateral Organization Influences the Interaction of Influenza Virus Matrix Protein 1 with Lipid Membranes. Journal of Virology, 2017, 91, .	3.4	38
144	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Selfâ€Ordering Induced by Touch. Angewandte Chemie - International Edition, 2018, 57, 6878-6882.	13.8	38

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145	DNA multiblock copolymers. Chemical Communications, 2007, , 1358.	4.1	37
146	The polybasic region is not essential for membrane binding of the matrix protein M1 of influenza virus. Virology, 2009, 383, 150-155.	2.4	36
147	Dynamics of cell wall elasticity pattern shapes the cell during yeast mating morphogenesis. Open Biology, 2016, 6, 160136.	3.6	36
148	Modulation of the pH Stability of Influenza Virus Hemagglutinin: A Host Cell Adaptation Strategy. Biophysical Journal, 2016, 110, 2293-2301.	0.5	36
149	Significant Upregulation of Alzheimer's Î²â€Amyloid Levels in a Living System Induced by Extracellular Elastin Polypeptides. Angewandte Chemie - International Edition, 2019, 58, 18703-18709.	13.8	36
150	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. Angewandte Chemie - International Edition, 2020, 59, 12417-12422.	13.8	36
151	pH-dependent binding of the fluorophore bis-ANS to influenza virus reflects the conformational change of hemagglutinin. European Biophysics Journal, 1994, 23, 105-13.	2.2	35
152	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
153	Lipophilic nucleic acids â€" A flexible construction kit for organization and functionalization of surfaces. Advances in Colloid and Interface Science, 2014, 208, 235-251.	14.7	35
154	The Power of Two: Covalent Coupling of Photostabilizers for Fluorescence Applications. Journal of Physical Chemistry Letters, 2014, 5, 3792-3798.	4.6	35
155	Activation of the Catalytic Activity of Thrombin for Fibrin Formation by Ultrasound. Angewandte Chemie - International Edition, 2021, 60, 14707-14714.	13.8	35
156	Solventâ€Free Liquid Crystals and Liquids Based on Genetically Engineered Supercharged Polypeptides with High Elasticity. Advanced Materials, 2015, 27, 2459-2465.	21.0	34
157	The kinetochore module Okp1 ^{CENPâ€Q} /Ame1 ^{CENPâ€U} is a reader for Nâ€terminal modifications on the centromeric histone Cse4 ^{CENPâ€A}. EMBO Journal, 2019, 38, .	7.8	34
158	Efficient Fusion of Liposomes by Nucleobase Quadrupleâ€Anchored DNA. Chemistry - A European Journal, 2017, 23, 9391-9396.	3.3	33
159	Force Spectroscopy Shows Dynamic Binding of Influenza Hemagglutinin and Neuraminidase to Sialic Acid. Biophysical Journal, 2019, 116, 1037-1048.	0.5	33
160	Twin Probes as a Novel Tool for the Detection of Single-Nucleotide Polymorphisms. Chemistry - A European Journal, 2006, 12, 3707-3713.	3.3	32
161	DNA-functionalised blend micelles: mix and fix polymeric hybrid nanostructures. Chemical Communications, 2010, 46, 4935.	4.1	32
162	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

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163	Enhancing cellular uptake of GFP via unfolded supercharged protein tags. Biomaterials, 2013, 34, 4360-4367.	11.4	32
164	A Histidine Residue of the Influenza Virus Hemagglutinin Controls the pH Dependence of the Conformational Change Mediating Membrane Fusion. Journal of Virology, 2014, 88, 13189-13200.	3.4	32
165	The cholesterol-binding motif of the HIV-1 glycoprotein gp41 regulates lateral sorting and oligomerization. Cellular Microbiology, 2014, 16, 1565-1581.	2.1	32
166	Nematic DNA Thermotropic Liquid Crystals with Photoresponsive Mechanical Properties. Small, 2017, 13, 1701207.	10.0	32
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