Andreas Hennig

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Enzyme assays with supramolecular chemosensors – the label-free approach. RSC Advances, 2022, 12, 10725-10748.	3.6	7
2	Boron clusters as broadband membrane carriers. Nature, 2022, 603, 637-642.	27.8	62
3	Protonâ€Gradientâ€Driven Sensitivity Enhancement of Liposomeâ€Encapsulated Supramolecular Chemosensors. Angewandte Chemie - International Edition, 2022, 61, .	13.8	10
4	An Amphiphilic Sulfonatocalix[5]arene as an Activator for Membrane Transport of Lysineâ€rich Peptides and Proteins. Angewandte Chemie - International Edition, 2021, 60, 1875-1882.	13.8	18
5	An Amphiphilic Sulfonatocalix[5]arene as an Activator for Membrane Transport of Lysineâ€rich Peptides and Proteins. Angewandte Chemie, 2021, 133, 1903-1910.	2.0	2
6	A reference scale of cucurbit[7]uril binding affinities. Organic and Biomolecular Chemistry, 2021, 19, 8521-8529.	2.8	21
7	The relationship between solvatochromic properties and in silico ADME parameters of new chloroethylnitrosourea derivatives with potential anticancer activity and their β-Cyclodextrin complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 253, 119579.	3.9	1
8	Membrane Permeability and Its Activation Energies in Dependence on Analyte, Lipid, and Phase Type Obtained by the Fluorescent Artificial Receptor Membrane Assay. ACS Sensors, 2021, 6, 175-182.	7.8	16
9	Supramolecular Chemistry in the Biomembrane. ChemBioChem, 2020, 21, 886-910.	2.6	39
10	Real-Time Parallel Artificial Membrane Permeability Assay Based on Supramolecular Fluorescent Artificial Receptors. Frontiers in Chemistry, 2020, 8, 597927.	3.6	17
11	Fluorescent artificial receptor-based membrane assay (FARMA) for spatiotemporally resolved monitoring of biomembrane permeability. Communications Biology, 2020, 3, 383.	4.4	32
12	Interaction of Cucurbit[7]uril With Protease Substrates: Application to Nanosecond Time-Resolved Fluorescence Assays. Frontiers in Chemistry, 2020, 8, 806.	3.6	4
13	Labelâ€Free Fluorescent Kinase and Phosphatase Enzyme Assays with Supramolecular Hostâ€Dye Pairs. ChemistryOpen, 2019, 8, 1350-1354.	1.9	14
14	Synthesis and photophysical properties of inclusion complexes between conjugated polyazomethines with Î ³ -cyclodextrin and its tris-O-methylated derivative. European Polymer Journal, 2019, 113, 236-243.	5.4	12
15	Characterization of mixed-ligand shells on gold nanoparticles by transition metal and supramolecular surface probes. Analyst, The, 2019, 144, 579-586.	3.5	10
16	Ratiometric DNA sensing with a host–guest FRET pair. Chemical Communications, 2019, 55, 671-674.	4.1	39
17	Fluorescence Monitoring of Peptide Transport Pathways into Large and Giant Vesicles by Supramolecular Host–Dye Reporter Pairs. Journal of the American Chemical Society, 2019, 141, 20137-20145.	13.7	69
18	A supramolecular five-component relay switch that exposes the mechanistic competition of dissociative <i>versus</i> associative binding to cucurbiturils by ratiometric fluorescence monitoring. Chemical Communications, 2019, 55, 14123-14126.	4.1	15

ANDREAS HENNIG

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19	Timeâ€resolved monitoring of enzyme activity with ultrafast Hyperâ€CEST spectroscopy. Magnetic Resonance in Chemistry, 2018, 56, 679-688.	1.9	20
20	Precise supramolecular control of surface coverage densities on polymer micro- and nanoparticles. Chemical Science, 2018, 9, 8575-8581.	7.4	17
21	Rational design of boron-dipyrromethene (BODIPY) reporter dyes for cucurbit[7]uril. Beilstein Journal of Organic Chemistry, 2018, 14, 1961-1971.	2.2	14
22	Hierarchical host–guest assemblies formed on dodecaborate-coated gold nanoparticles. Chemical Communications, 2017, 53, 4616-4619.	4.1	40
23	Cold nanoparticle aggregation enables colorimetric sensing assays for enzymatic decarboxylation. Analytical Methods, 2017, 9, 2784-2787.	2.7	14
24	A Label-Free Continuous Fluorescence-Based Assay for Monitoring Ornithine Decarboxylase Activity with a Synthetic Putrescine Receptor. SLAS Discovery, 2017, 22, 906-914.	2.7	23
25	Phosphorylationâ€Responsive Membrane Transport of Peptides. Angewandte Chemie - International Edition, 2017, 56, 15742-15745.	13.8	49
26	Phosphorylierung reguliert den Membrantransport von Peptiden. Angewandte Chemie, 2017, 129, 15948-15951.	2.0	10
27	A fluorescent, supramolecular chemosensor to follow steroid depletion in bacterial cultures. Analytical and Bioanalytical Chemistry, 2017, 409, 6485-6494.	3.7	14
28	Nanomolar Binding of Steroids to Cucurbit[<i>n</i>]urils: Selectivity and Applications. Journal of the American Chemical Society, 2016, 138, 13022-13029.	13.7	143
29	Simple and rapid quantification of phospholipids for supramolecular membrane transport assays. Organic and Biomolecular Chemistry, 2016, 14, 2182-2185.	2.8	27
30	Chiral, J-Aggregate-Forming Dyes for Alternative Signal Modulation Mechanisms in Self-Immolative Enzyme-Activatable Optical Probes. Journal of Physical Chemistry B, 2016, 120, 877-885.	2.6	12
31	Supramolecular Assays for Mapping Enzyme Activity by Displacementâ€Triggered Change in Hyperpolarized ¹²⁹ Xe Magnetization Transfer NMR Spectroscopy. Angewandte Chemie - International Edition, 2015, 54, 13444-13447.	13.8	55
32	Energy and Electron Transfer Dynamics within a Series of Perylene Diimide/Cyclophane Systems. Journal of the American Chemical Society, 2015, 137, 15299-15307.	13.7	64
33	En route to traceable reference standards for surface group quantifications by XPS, NMR and fluorescence spectroscopy. Analyst, The, 2015, 140, 1804-1808.	3.5	31
34	Identification, classification, and signal amplification capabilities of high-turnover gas binding hosts in ultra-sensitive NMR. Chemical Science, 2015, 6, 6069-6075.	7.4	72
35	Surface Analytical Study of Poly(acrylic acid)-Grafted Microparticles (Beads): Characterization, Chemical Derivatization, and Quantification of Surface Carboxyl Groups. Journal of Physical Chemistry C, 2014, 118, 20393-20404.	3.1	39
36	Biomembrane Interactions of Functionalized Cryptophaneâ€A: Combined Fluorescence and ¹²⁹ Xe NMR Studies of a Bimodal Contrast Agent. Chemistry - A European Journal, 2013, 19, 3110-3118.	3.3	47

ANDREAS HENNIG

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37	Photophysics and Release Kinetics of Enzyme-Activatable Optical Probes Based on H-Dimerized Fluorophores on Self-Immolative Linkers. Journal of Physical Chemistry B, 2013, 117, 14336-14344.	2.6	14
38	Excitation energy migration and trapping on the surface of fluorescent poly(acrylic acid)-grafted polymer particles. Photochemical and Photobiological Sciences, 2013, 12, 729-737.	2.9	21
39	Synthetic Ion Transporters that Work with Anionâ~Ï€ Interactions, Halogen Bonds, and Anion–Macrodipole Interactions. Accounts of Chemical Research, 2013, 46, 2791-2800.	15.6	260
40	Supramolecular Enzyme Assays. Monographs in Supramolecular Chemistry, 2013, , 355-396.	0.2	5
41	Supramolecular Tandem Enzyme Assays. Chemistry - A European Journal, 2012, 18, 3444-3459.	3.3	130
42	Scope and Limitations of Surface Functional Group Quantification Methods: Exploratory Study with Poly(acrylic acid)-Grafted Micro- and Nanoparticles. Journal of the American Chemical Society, 2012, 134, 8268-8276.	13.7	87
43	Quantification of surface functional groups on polymer microspheres by supramolecular host–guest interactions. Chemical Communications, 2011, 47, 7842.	4.1	38
44	Pattern generation with synthetic sensing systems in lipid bilayer membranes. Chemical Science, 2011, 2, 303-307.	7.4	67
45	Simple Colorimetric Method for Quantification of Surface Carboxy Groups on Polymer Particles. Analytical Chemistry, 2011, 83, 4970-4974.	6.5	49
46	Experimental evidence for the functional relevance of anion–π interactions. Nature Chemistry, 2010, 2, 533-538.	13.6	434
47	Chirality sensing with pores: Reactive signal amplifiers for otherwise undetectable small molecules. Chirality, 2009, 21, 145-151.	2.6	3
48	Hydrazinoanthrylboronic acids as excitonâ€coupled circular dichroism (ECCD) probes for multivalent catechols, particularly epigallocatechin gallate. Chirality, 2009, 21, 826-835.	2.6	15
49	Substrate-Selective Supramolecular Tandem Assays: Monitoring Enzyme Inhibition of Arginase and Diamine Oxidase by Fluorescent Dye Displacement from Calixarene and Cucurbituril Macrocycles. Journal of the American Chemical Society, 2009, 131, 11558-11570.	13.7	203
50	Anionâ^'Macrodipole Interactions: Self-Assembling Oligourea/Amide Macrocycles as Anion Transporters that Respond to Membrane Polarization. Journal of the American Chemical Society, 2009, 131, 16889-16895.	13.7	110
51	Colorful methods to detect ion channels and pores: intravesicular chromogenic probes that respond to pH, pM and covalent capture. Organic and Biomolecular Chemistry, 2009, 7, 1784.	2.8	28
52	Functional Biosupramolecular Systems. Chimia, 2009, 63, 881.	0.6	0
53	Supramolecular Tandem Enzyme Assays for Multiparameter Sensor Arrays and Enantiomeric Excess Determination of Amino Acids. Chemistry - A European Journal, 2008, 14, 6069-6077.	3.3	176
54	Detection of the activity of ion channels and pores by circular dichroism spectroscopy: Gâ€quartets as functional CD probes within chirogenic vesicles. Chirality, 2008, 20, 932-937.	2.6	23

ANDREAS HENNIG

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55	Stimuli-Responsive Polyguanidino-Oxanorbornene Membrane Transporters as Multicomponent Sensors in Complex Matrices. Journal of the American Chemical Society, 2008, 130, 10338-10344.	13.7	115
56	CD Methods Development at the Bio-Nano Interface. Chimia, 2008, 62, 493-496.	0.6	4
57	Artificial tongues and leaves. Pure and Applied Chemistry, 2008, 80, 1873-1882.	1.9	2
58	Squeezing Fluorescent Dyes into Nanoscale Containers—The Supramolecular Approach to Radiative Decay Engineering. Springer Series on Fluorescence, 2007, , 185-211.	0.8	20
59	Effects of cucurbit[7]uril on enzymatic activity. Chemical Communications, 2007, , 1614.	4.1	57
60	Single-Label Kinase and Phosphatase Assays for Tyrosine Phosphorylation Using Nanosecond Time-Resolved Fluorescence Detection. Journal of the American Chemical Society, 2007, 129, 15927-15934.	13.7	47
61	A 10-Ã Spectroscopic Ruler Applied to Short Polyprolines. Journal of the American Chemical Society, 2007, 129, 9762-9772.	13.7	87
62	Design of peptide substrates for nanosecond time-resolved fluorescence assays of proteases: 2,3-Diazabicyclo[2.2.2]oct-2-ene as a noninvasive fluorophore. Analytical Biochemistry, 2007, 360, 255-265.	2.4	25
63	Label-free continuous enzyme assays with macrocycle-fluorescent dye complexes. Nature Methods, 2007, 4, 629-632.	19.0	397
64	Bridgehead carboxy-substituted 2,3-diazabicyclo[2.2.2]oct-2-enes: synthesis, fluorescent properties, and host-guest complexation. Arkivoc, 2007, 2007, 341-357.	0.5	7
65	Temperature-dependent loop formation kinetics in flexible peptides studied by time-resolved fluorescence spectroscopy. International Journal of Photoenergy, 2006, 2006, 1-9.	2.5	7
66	Nanosecond Time-Resolved Fluorescence Protease Assays. ChemBioChem, 2006, 7, 733-737.	2.6	29
67	Discovery of Complex Mixtures of Novel Long-Chain Quorum Sensing Signals in Free-Living and Host-Associated Marine Alphaproteobacteria. ChemBioChem, 2005, 6, 2195-2206.	2.6	166
68	Lysine decarboxylase assay with cucurbituril (cucurbit-7-uril). Protocol Exchange, 0, , .	0.3	1
69	Protonâ€Gradientâ€Driven Sensitivity Enhancement of Liposomeâ€Encapsulated Supramolecular Chemosensors. Angewandte Chemie, 0, ,	2.0	0
70	Dynamically Self-Assembled Supramolecular Probes in Liposomes. Organic Materials, 0, , .	2.0	0