

Andreas Hennig

List of Publications by Year in descending order

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70
papers

3,727
citations

196777

29
h-index

145109

60
g-index

77
all docs

77
docs citations

77
times ranked

4455
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme assays with supramolecular chemosensors – the label-free approach. <i>RSC Advances</i> , 2022, 12, 10725-10748.	1.7	7
2	Boron clusters as broadband membrane carriers. <i>Nature</i> , 2022, 603, 637-642.	13.7	62
3	Proton-Gradient-Driven Sensitivity Enhancement of Liposome-Encapsulated Supramolecular Chemosensors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
4	An Amphiphilic Sulfonatocalix[5]arene as an Activator for Membrane Transport of Lysine-Rich Peptides and Proteins. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1875-1882.	7.2	18
5	An Amphiphilic Sulfonatocalix[5]arene as an Activator for Membrane Transport of Lysine-Rich Peptides and Proteins. <i>Angewandte Chemie</i> , 2021, 133, 1903-1910.	1.6	2
6	A reference scale of cucurbit[7]uril binding affinities. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8521-8529.	1.5	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 253, 119579.	2.0	1
8	Membrane Permeability and Its Activation Energies in Dependence on Analyte, Lipid, and Phase Type Obtained by the Fluorescent Artificial Receptor Membrane Assay. <i>ACS Sensors</i> , 2021, 6, 175-182.	4.0	16
9	Supramolecular Chemistry in the Biomembrane. <i>ChemBioChem</i> , 2020, 21, 886-910.	1.3	39
10	Real-Time Parallel Artificial Membrane Permeability Assay Based on Supramolecular Fluorescent Artificial Receptors. <i>Frontiers in Chemistry</i> , 2020, 8, 597927.	1.8	17
11	Fluorescent artificial receptor-based membrane assay (FARMA) for spatiotemporally resolved monitoring of biomembrane permeability. <i>Communications Biology</i> , 2020, 3, 383.	2.0	32
12	Interaction of Cucurbit[7]uril With Protease Substrates: Application to Nanosecond Time-Resolved Fluorescence Assays. <i>Frontiers in Chemistry</i> , 2020, 8, 806.	1.8	4
13	Label-Free Fluorescent Kinase and Phosphatase Enzyme Assays with Supramolecular Host-Guest Pairs. <i>ChemistryOpen</i> , 2019, 8, 1350-1354.	0.9	14
14	Synthesis and photophysical properties of inclusion complexes between conjugated polyazomethines with β -cyclodextrin and its tris-O-methylated derivative. <i>European Polymer Journal</i> , 2019, 113, 236-243.	2.6	12
15	Characterization of mixed-ligand shells on gold nanoparticles by transition metal and supramolecular surface probes. <i>Analyst</i> , 2019, 144, 579-586.	1.7	10
16	Ratiometric DNA sensing with a host-guest FRET pair. <i>Chemical Communications</i> , 2019, 55, 671-674.	2.2	39
17	Fluorescence Monitoring of Peptide Transport Pathways into Large and Giant Vesicles by Supramolecular Host-Guest Reporter Pairs. <i>Journal of the American Chemical Society</i> , 2019, 141, 20137-20145.	6.6	69
18	A supramolecular five-component relay switch that exposes the mechanistic competition of dissociative versus associative binding to cucurbiturils by ratiometric fluorescence monitoring. <i>Chemical Communications</i> , 2019, 55, 14123-14126.	2.2	15

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19	Time-resolved monitoring of enzyme activity with ultrafast HyperCEST spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 679-688.	1.1	20
20	Precise supramolecular control of surface coverage densities on polymer micro- and nanoparticles. <i>Chemical Science</i> , 2018, 9, 8575-8581.	3.7	17
21	Rational design of boron-dipyrromethene (BODIPY) reporter dyes for cucurbit[7]uril. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1961-1971.	1.3	14
22	Hierarchical host-guest assemblies formed on dodecaborate-coated gold nanoparticles. <i>Chemical Communications</i> , 2017, 53, 4616-4619.	2.2	40
23	Gold nanoparticle aggregation enables colorimetric sensing assays for enzymatic decarboxylation. <i>Analytical Methods</i> , 2017, 9, 2784-2787.	1.3	14
24	A Label-Free Continuous Fluorescence-Based Assay for Monitoring Ornithine Decarboxylase Activity with a Synthetic Putrescine Receptor. <i>SLAS Discovery</i> , 2017, 22, 906-914.	1.4	23
25	Phosphorylation-responsive Membrane Transport of Peptides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15742-15745.	7.2	49
26	Phosphorylierung reguliert den Membrantransport von Peptiden. <i>Angewandte Chemie</i> , 2017, 129, 15948-15951.	1.6	10
27	A fluorescent, supramolecular chemosensor to follow steroid depletion in bacterial cultures. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6485-6494.	1.9	14
28	Nanomolar Binding of Steroids to Cucurbit[<i>n</i>]urils: Selectivity and Applications. <i>Journal of the American Chemical Society</i> , 2016, 138, 13022-13029.	6.6	143
29	Simple and rapid quantification of phospholipids for supramolecular membrane transport assays. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2182-2185.	1.5	27
30	Chiral, J-Aggregate-Forming Dyes for Alternative Signal Modulation Mechanisms in Self-Immolative Enzyme-Activatable Optical Probes. <i>Journal of Physical Chemistry B</i> , 2016, 120, 877-885.	1.2	12
31	Supramolecular Assays for Mapping Enzyme Activity by Displacement-triggered Change in Hyperpolarized ¹²⁹ Xe Magnetization Transfer NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13444-13447.	7.2	55
32	Energy and Electron Transfer Dynamics within a Series of Perylene Diimide/Cyclophane Systems. <i>Journal of the American Chemical Society</i> , 2015, 137, 15299-15307.	6.6	64
33	En route to traceable reference standards for surface group quantifications by XPS, NMR and fluorescence spectroscopy. <i>Analyst</i> , 2015, 140, 1804-1808.	1.7	31
34	Identification, classification, and signal amplification capabilities of high-turnover gas binding hosts in ultra-sensitive NMR. <i>Chemical Science</i> , 2015, 6, 6069-6075.	3.7	72
35	Surface Analytical Study of Poly(acrylic acid)-Grafted Microparticles (Beads): Characterization, Chemical Derivatization, and Quantification of Surface Carboxyl Groups. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20393-20404.	1.5	39
36	Biomembrane Interactions of Functionalized Cryptophane-A: Combined Fluorescence and ¹²⁹ Xe NMR Studies of a Bimodal Contrast Agent. <i>Chemistry - A European Journal</i> , 2013, 19, 3110-3118.	1.7	47

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37	Photophysics and Release Kinetics of Enzyme-Activatable Optical Probes Based on H-Dimerized Fluorophores on Self-Immolative Linkers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14336-14344.	1.2	14
38	Excitation energy migration and trapping on the surface of fluorescent poly(acrylic acid)-grafted polymer particles. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 729-737.	1.6	21
39	Synthetic Ion Transporters that Work with Anion-π Interactions, Halogen Bonds, and Anion-π-Macrodipole Interactions. <i>Accounts of Chemical Research</i> , 2013, 46, 2791-2800.	7.6	260
40	Supramolecular Enzyme Assays. <i>Monographs in Supramolecular Chemistry</i> , 2013, , 355-396.	0.2	5
41	Supramolecular Tandem Enzyme Assays. <i>Chemistry - A European Journal</i> , 2012, 18, 3444-3459.	1.7	130
42	Scope and Limitations of Surface Functional Group Quantification Methods: Exploratory Study with Poly(acrylic acid)-Grafted Micro- and Nanoparticles. <i>Journal of the American Chemical Society</i> , 2012, 134, 8268-8276.	6.6	87
43	Quantification of surface functional groups on polymer microspheres by supramolecular host-guest interactions. <i>Chemical Communications</i> , 2011, 47, 7842.	2.2	38
44	Pattern generation with synthetic sensing systems in lipid bilayer membranes. <i>Chemical Science</i> , 2011, 2, 303-307.	3.7	67
45	Simple Colorimetric Method for Quantification of Surface Carboxy Groups on Polymer Particles. <i>Analytical Chemistry</i> , 2011, 83, 4970-4974.	3.2	49
46	Experimental evidence for the functional relevance of anion-π interactions. <i>Nature Chemistry</i> , 2010, 2, 533-538.	6.6	434
47	Chirality sensing with pores: Reactive signal amplifiers for otherwise undetectable small molecules. <i>Chirality</i> , 2009, 21, 145-151.	1.3	3
48	Hydrazinoanthrylboronic acids as exciton-coupled circular dichroism (ECCD) probes for multivalent catechols, particularly epigallocatechin gallate. <i>Chirality</i> , 2009, 21, 826-835.	1.3	15
49	Substrate-Selective Supramolecular Tandem Assays: Monitoring Enzyme Inhibition of Arginase and Diamine Oxidase by Fluorescent Dye Displacement from Calixarene and Cucurbituril Macrocycles. <i>Journal of the American Chemical Society</i> , 2009, 131, 11558-11570.	6.6	203
50	Anion-π-Macrodipole Interactions: Self-Assembling Oligourea/Amide Macrocycles as Anion Transporters that Respond to Membrane Polarization. <i>Journal of the American Chemical Society</i> , 2009, 131, 16889-16895.	6.6	110
51	Colorful methods to detect ion channels and pores: intravesicular chromogenic probes that respond to pH, pM and covalent capture. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1784.	1.5	28
52	Functional Biosupramolecular Systems. <i>Chimia</i> , 2009, 63, 881.	0.3	0
53	Supramolecular Tandem Enzyme Assays for Multiparameter Sensor Arrays and Enantiomeric Excess Determination of Amino Acids. <i>Chemistry - A European Journal</i> , 2008, 14, 6069-6077.	1.7	176
54	Detection of the activity of ion channels and pores by circular dichroism spectroscopy: G-quartets as functional CD probes within chirogenic vesicles. <i>Chirality</i> , 2008, 20, 932-937.	1.3	23

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55	Stimuli-Responsive Polyguanidino-Oxanorbornene Membrane Transporters as Multicomponent Sensors in Complex Matrices. <i>Journal of the American Chemical Society</i> , 2008, 130, 10338-10344.	6.6	115
56	CD Methods Development at the Bio-Nano Interface. <i>Chimia</i> , 2008, 62, 493-496.	0.3	4
57	Artificial tongues and leaves. <i>Pure and Applied Chemistry</i> , 2008, 80, 1873-1882.	0.9	2
58	Squeezing Fluorescent Dyes into Nanoscale Containersâ€”The Supramolecular Approach to Radiative Decay Engineering. <i>Springer Series on Fluorescence</i> , 2007, , 185-211.	0.8	20
59	Effects of cucurbit[7]uril on enzymatic activity. <i>Chemical Communications</i> , 2007, , 1614.	2.2	57
60	Single-Label Kinase and Phosphatase Assays for Tyrosine Phosphorylation Using Nanosecond Time-Resolved Fluorescence Detection. <i>Journal of the American Chemical Society</i> , 2007, 129, 15927-15934.	6.6	47
61	A 10-Å... Spectroscopic Ruler Applied to Short Polyprolines. <i>Journal of the American Chemical Society</i> , 2007, 129, 9762-9772.	6.6	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. <i>Analytical Biochemistry</i> , 2007, 360, 255-265.	1.1	25
63	Label-free continuous enzyme assays with macrocycle-fluorescent dye complexes. <i>Nature Methods</i> , 2007, 4, 629-632.	9.0	397
64	Bridgehead carboxy-substituted 2,3-diazabicyclo[2.2.2]oct-2-enes: synthesis, fluorescent properties, and host-guest complexation. <i>Arkivoc</i> , 2007, 2007, 341-357.	0.3	7
65	Temperature-dependent loop formation kinetics in flexible peptides studied by time-resolved fluorescence spectroscopy. <i>International Journal of Photoenergy</i> , 2006, 2006, 1-9.	1.4	7
66	Nanosecond Time-Resolved Fluorescence Protease Assays. <i>ChemBioChem</i> , 2006, 7, 733-737.	1.3	29
67	Discovery of Complex Mixtures of Novel Long-Chain Quorum Sensing Signals in Free-Living and Host-Associated Marine Alphaproteobacteria. <i>ChemBioChem</i> , 2005, 6, 2195-2206.	1.3	166
68	Lysine decarboxylase assay with cucurbituril (cucurbit-7-uril). <i>Protocol Exchange</i> , 0, , .	0.3	1
69	Protonâ€Gradientâ€Driven Sensitivity Enhancement of Liposomeâ€Encapsulated Supramolecular Chemosensors. <i>Angewandte Chemie</i> , 0, , .	1.6	0
70	Dynamically Self-Assembled Supramolecular Probes in Liposomes. <i>Organic Materials</i> , 0, , .	1.0	0