

Helma Wennemers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3868251/publications.pdf>

Version: 2024-02-01

51
papers

1,118
citations

361045

20
h-index

414034

32
g-index

53
all docs

53
docs citations

53
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Preorganized Charge Display on the Cell Penetrating Properties of Cationic Peptides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 122-126.	7.2	80
2	A triaxial supramolecular weave. <i>Nature Chemistry</i> , 2017, 9, 1068-1072.	6.6	76
3	Influence of the <i>Trans</i> / <i>Cis</i> Conformer Ratio on the Stereoselectivity of Peptidic Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 15356-15362.	6.6	68
4	Peptide-Coated Platinum Nanoparticles with Selective Toxicity against Liver Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4901-4905.	7.2	64
5	Cross-Linked Collagen Triple Helices by Oxime Ligation. <i>Journal of the American Chemical Society</i> , 2017, 139, 12815-12820.	6.6	50
6	Oligoprolines as Molecular Entities for Controlling Distance in Biological and Material Sciences. <i>Accounts of Chemical Research</i> , 2017, 50, 2420-2428.	7.6	49
7	Stereoselective Organocatalyzed Synthesis of α -Fluorinated α -Amino Thioesters and Their Application in Peptide Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13127-13131.	7.2	46
8	Conformational Properties of a Peptidic Catalyst: Insights from NMR Spectroscopic Studies. <i>Journal of the American Chemical Society</i> , 2018, 140, 10829-10838.	6.6	46
9	Peptide-Metal Frameworks with Metal Strings Guided by Dispersion Interactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 644-648.	6.6	43
10	The Bioorthogonal Isonitrile-Chlorooxime Ligation. <i>Journal of the American Chemical Society</i> , 2019, 141, 18644-18648.	6.6	41
11	Organocatalysed conjugate addition reactions of aldehydes to nitroolefins with anti selectivity. <i>Nature Catalysis</i> , 2020, 3, 143-147.	16.1	38
12	α -Azaproline Confers pH-Responsiveness and Functionalizability on Collagen Triple Helices. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3143-3146.	7.2	36
13	Hydrophobic Moieties Bestow Fast-Folding and Hyperstability on Collagen Triple Helices. <i>Journal of the American Chemical Society</i> , 2019, 141, 5607-5611.	6.6	31
14	Imaging and targeting LOX-mediated tissue remodeling with a reactive collagen peptide. <i>Nature Chemical Biology</i> , 2021, 17, 865-871.	3.9	29
15	pH-Responsive Aminoproline-Containing Collagen Triple Helices. <i>Chemistry - A European Journal</i> , 2017, 23, 7938-7944.	1.7	26
16	Influence of Lipidation on the Folding and Stability of Collagen Triple Helices—An Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2021, 143, 5937-5942.	6.6	25
17	Effect of Preorganized Charge Display on the Cell Penetrating Properties of Cationic Peptides. <i>Angewandte Chemie</i> , 2017, 129, 128-132.	1.6	23
18	Functionalized Proline-Rich Peptides Bind the Bacterial Second Messenger c-di-GMP. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7729-7733.	7.2	23

#	ARTICLE	IF	CITATIONS
19	Temperature-controlled electrospray ionization mass spectrometry as a tool to study collagen homo- and heterotrimers. <i>Chemical Science</i> , 2019, 10, 9829-9835.	3.7	23
20	Effect of the enamine pyramidalization direction on the reactivity of secondary amine organocatalysts. <i>Chemical Science</i> , 2020, 11, 1943-1947.	3.7	23
21	Deactivation of Secondary Amine Catalysts via Aldol Reaction—Amine Catalysis under Solvent-Free Conditions. <i>Journal of Organic Chemistry</i> , 2020, 85, 7633-7640.	1.7	21
22	Amine Catalysis with Substrates Bearing α -Heterocyclic Moieties Enabled by Control over the Enamine Pyramidalization Direction. <i>Chemistry - A European Journal</i> , 2020, 26, 15623-15628.	1.7	20
23	Is more better? A comparison of tri- and tetrapeptidic catalysts. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5877-5881.	1.5	18
24	Why Proline? Influence of Ring-Size on the Collagen Triple Helix. <i>Organic Letters</i> , 2020, 22, 348-351.	2.4	18
25	A Lateral Salt Bridge for the Specific Assembly of an ABC-Type Collagen Heterotrimer. <i>Journal of the American Chemical Society</i> , 2020, 142, 2208-2212.	6.6	17
26	Stereoselective Organocatalyzed Synthesis of β -Fluorinated α -Amino Thioesters and Their Application in Peptide Synthesis. <i>Angewandte Chemie</i> , 2016, 128, 13321-13325.	1.6	16
27	Effect of β -Substituted Proline Derivatives on the Performance of the Peptidic Catalyst H-dPro-Pro-Glu-NH ₂ . <i>Synthesis</i> , 2018, 50, 4377-4382.	1.2	14
28	Oligoprolines guide the self-assembly of quaterthiophenes. <i>Chemical Science</i> , 2019, 10, 5391-5396.	3.7	14
29	Effect of N- and C-terminal functional groups on the stability of collagen triple helices. <i>Chemical Communications</i> , 2017, 53, 11036-11039.	2.2	13
30	Elucidating the Structure–Activity Relationship of the Pentaglutamic Acid Sequence of Minigastrin with Cholecystokinin Receptor Subtype 2. <i>Bioconjugate Chemistry</i> , 2019, 30, 657-666.	1.8	12
31	Decarboxylative Organocatalyzed Addition Reactions of Fluoroacetate Surrogates for the Synthesis of Fluorinated Oxindoles. <i>Organic Letters</i> , 2021, 23, 1753-1757.	2.4	12
32	Delivery of α -inositol Hexakisphosphate to the Cell Nucleus with a Proline-Based Cell-Penetrating Peptide. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15586-15589.	7.2	11
33	Alkylation of α -Azaproline Creates Conformationally Adaptable Proline Derivatives for pH-Responsive Collagen Triple Helices. <i>Chemistry - A European Journal</i> , 2020, 26, 5070-5074.	1.7	11
34	Peptide-Catalyzed Stereoselective Conjugate Addition Reaction of Aldehydes to α -Substituted Maleimides. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	10
35	Positional Isomers of Chromophore–Peptide Conjugates Self-Assemble into Different Morphologies. <i>Chemistry - A European Journal</i> , 2018, 24, 12623-12629.	1.7	9
36	Peptides on the Rise. <i>Accounts of Chemical Research</i> , 2017, 50, 2419-2419.	7.6	8

#	ARTICLE	IF	CITATIONS
37	Synergistic Peptide and Gold Catalysis: Enantioselective Addition of Branched Aldehydes to Allenamides. <i>Chemistry - A European Journal</i> , 2021, 27, 17559-17564.	1.7	7
38	Combined experimental and theoretical study of long-range H \cdots F interactions in β -fluoro amides. <i>Chemical Communications</i> , 2019, 55, 2253-2256.	2.2	6
39	β -Azaproline Confers pH-Responsiveness and Functionalizability on Collagen Triple Helices. <i>Angewandte Chemie</i> , 2019, 131, 3175-3178.	1.6	6
40	Effect of β -Amino Acids on the Performance of the Peptidic Catalyst β -Pro-Glu-NH ₂ . <i>Helvetica Chimica Acta</i> , 2019, 102, e1900070.	1.0	6
41	Synthesis of 4-(Arylmethyl)proline Derivatives. <i>Synlett</i> , 2019, 30, 508-510.	1.0	5
42	Distance-Dependent Cellular Uptake of Oligoproline-Based Homobivalent Ligands Targeting GPCRs: An Experimental and Computational Analysis. <i>Bioconjugate Chemistry</i> , 2020, 31, 2431-2438.	1.8	5
43	Oligodimethylsiloxane-Oligoproline Block Co-Oligomers: the Interplay between Aggregation and Phase Segregation in Bulk and Solution. <i>Journal of the American Chemical Society</i> , 2021, 143, 4032-4042.	6.6	5
44	Exploring the signaling space of a GPCR using bivalent ligands with a rigid oligoproline backbone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	5
45	Functionalized Proline-Rich Peptides Bind the Bacterial Second Messenger c-di-GMP. <i>Angewandte Chemie</i> , 2018, 130, 7855-7859.	1.6	3
46	4-Naphthylmethyl Proline Forms a Channel Structure. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900052.	1.0	3
47	Peptide-Coated Platinum Nanoparticles with Selective Toxicity against Liver Cancer Cells. <i>Angewandte Chemie</i> , 2019, 131, 4955-4959.	1.6	2
48	Delivery of <i>myo</i> -inositol Hexakisphosphate to the Cell Nucleus with a Proline-Based Cell-Penetrating Peptide. <i>Angewandte Chemie</i> , 2020, 132, 15716-15719.	1.6	1
49	Titelbild: Peptide-Coated Platinum Nanoparticles with Selective Toxicity against Liver Cancer Cells (<i>Angew. Chem.</i> 15/2019). <i>Angewandte Chemie</i> , 2019, 131, 4795-4795.	1.6	0
50	François Diederich (1952–2020): 40 Years of Organic Chemistry. <i>Angewandte Chemie</i> , 2021, 133, 11666-11674.	7.1	0
51	François Diederich (1952–2020): 40 Years of Organic Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11562-11567.	7.2	0