

# Anja Hoffmann-RÄnder

## List of Publications by Year in descending order

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53  
papers

4,821  
citations

257450

24  
h-index

168389

53  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3886  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Catalytic Enantioselective Michael Additions. <i>Synthesis</i> , 2001, 2001, 0171-0196.	2.3	925
2	Synthesis and Properties of Allenic Natural Products and Pharmaceuticals. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1196-1216.	13.8	763
3	The golden gate to catalysis. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 387-391.	2.8	492
4	Predicting and Tuning Physicochemical Properties in Lead Optimization: Amine Basicities. <i>ChemMedChem</i> , 2007, 2, 1100-1115.	3.2	423
5	Gold(III) Chloride Catalyzed Cyclization of $\hat{\pm}$ -Hydroxyallenes to 2,5-Dihydrofurans. <i>Organic Letters</i> , 2001, 3, 2537-2538.	4.6	301
6	Synthesis of allenes with organometallic reagents. <i>Tetrahedron</i> , 2004, 60, 11671-11694.	1.9	257
7	Enantioselective Synthesis of and with Allenes. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2933.	13.8	151
8	Synthetic Antitumor Vaccines from Tetanus Toxoid Conjugates of MUC1 Glycopeptides with the Thomsenâ€Friedenreich Antigen and a Fluorineâ€Substituted Analogue. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8498-8503.	13.8	136
9	From Amino Acids To Dihydrofurans: Functionalized Allenes in Modern Organic Synthesis. <i>Synthesis</i> , 2002, 2002, 1759-1774.	2.3	117
10	Golden opportunities in catalysis. <i>Pure and Applied Chemistry</i> , 2008, 80, 1063-1069.	1.9	105
11	Optical Control of Insulin Secretion Using an Incretin Switch. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15565-15569.	13.8	80
12	Gold catalysis in stereoselective natural product synthesis: (+)-linalool oxide, ( $\hat{\pm}$ )-isocyclocapitelline, and ( $\hat{\pm}$ )-isochrysotricine. <i>Tetrahedron</i> , 2009, 65, 1902-1910.	1.9	57
13	A Fluorine Scan at the Catalytic Center of Thrombin: $\text{C}\hat{\pm}\text{F}$ , $\text{C}\hat{\pm}\text{OH}$ , and $\text{C}\hat{\pm}\text{OMe}$ Bioisosterism and Fluorine Effects on pKa and logD Values. <i>ChemMedChem</i> , 2006, 1, 611-621.	3.2	55
14	Synthesis of a MUC1-glycopeptideâ€BSA conjugate vaccine bearing the 3â€deoxy-3â€fluoro-Thomsenâ€Friedenreich antigen. <i>Chemical Communications</i> , 2011, 47, 9903.	4.1	54
15	Fluorinated Glycosyl Amino Acids for Mucinâ€Like Glycopeptide Antigen Analogues. <i>Chemistry - A European Journal</i> , 2010, 16, 7319-7330.	3.3	51
16	Antibody recognition of fluorinated MUC1 glycopeptide antigens. <i>Chemical Communications</i> , 2012, 48, 1487-1489.	4.1	48
17	Synthesis and biological evaluation of a novel MUC1 glycopeptide conjugate vaccine candidate comprising a 4â€TM-deoxy-4â€TM-fluoro-Thomsenâ€Friedenreich epitope. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 155-161.	2.2	38
18	New methods for the stereoselective synthesis of 2-hydroxy-3,4-dienoates and functionalized 2,5-dihydrofurans. <i>Tetrahedron Letters</i> , 2000, 41, 9613-9616.	1.4	36

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19	Multipolar interactions in the D pocket of thrombin: large differences between tricyclic imide and lactam inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2364-2375.	2.8	29
20	Optical Control of Cytokine Production Using Photoswitchable Galactosylceramides. <i>Chemistry - A European Journal</i> , 2020, 26, 4476-4479.	3.3	29
21	Conditional and Reversible Activation of Class A and B G Protein-Coupled Receptors Using Tethered Pharmacology. <i>ACS Central Science</i> , 2018, 4, 166-179.	11.3	27
22	Mapping the Fluorophilicity of a Hydrophobic Pocket: Synthesis and Biological Evaluation of Tricyclic Thrombin Inhibitors Directing Fluorinated Alkyl Groups into the P&...Pocket. <i>ChemMedChem</i> , 2006, 1, 1205-1215.	3.2	26
23	Nucleophilic trifluoromethylation of cyclic imides using (trifluoromethyl)trimethylsilane CF <sub>3</sub> SiMe <sub>3</sub> . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2267-2269.	2.8	25
24	Structural Basis for EarP-Mediated Arginine Glycosylation of Translation Elongation Factor EF-P. <i>MBio</i> , 2017, 8, .	4.1	24
25	Optical control of a receptor-linked guanylyl cyclase using a photoswitchable peptidic hormone. <i>Chemical Science</i> , 2017, 8, 4644-4653.	7.4	23
26	Copper-mediated Addition and Substitution Reactions of Extended Multiple Bond Systems. , 0, , 145-166.		18
27	Golden Opportunities in Stereoselective Catalysis: Optimization of Chirality Transfer and Catalyst Efficiency in the Gold-Catalyzed Cycloisomerization of Î±-Hydroxyallenes to 2,5-Dihydrofurans. <i>Synlett</i> , 2007, 2007, 1790-1794.	1.8	18
28	Synthesis of Fluorinated <i>Leishmania</i> Cap Trisaccharides for Diagnostic Tool and Vaccine Development. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3803-3815.	2.4	18
29	Antibody Recognition of Fluorinated Haptens and Antigens. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 840-854.	2.1	17
30	Synthesis of fluorinated Thomsen&Friedenreich antigens: direct deoxyfluorination of Î±GalNAc-threonine tert-butyl esters. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5541.	2.8	16
31	Photocontrolled chignolin-derived Î²-hairpin peptidomimetics. <i>Chemical Communications</i> , 2015, 51, 4001-4004.	4.1	16
32	Designed peptides for biomineral polymorph recognition: a case study for calcium carbonate. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3511-3518.	5.8	14
33	Time-resolved infrared studies of the unfolding of a light triggered Î²-hairpin peptide. <i>Chemical Physics</i> , 2018, 512, 116-121.	1.9	12
34	Synthesis of glycosylated Î² <sup>3</sup> -homo-threonine conjugates for mucin-like glycopeptide antigen analogues. <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, 47.	2.2	11
35	Synthesis of functionalized Î±-trifluoroethyl amine scaffolds via Grignard addition to N-aryl hemiaminal ethers. <i>RSC Advances</i> , 2014, 4, 9288-9291.	3.6	11
36	Langmuir&Blodgett Films of Fluorinated Glycolipids and Polymerizable Lipids and Their Phase Separating Behavior. <i>Langmuir</i> , 2010, 26, 18246-18255.	3.5	10

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37	Synthesis of Fluorinated Glycosyl Amino Acid Building Blocks for MUC1 Cancer Vaccine Candidates by Microreactor-Assisted Glycosylation. <i>Journal of Flow Chemistry</i> , 2012, 2, 83-86.	1.9	10
38	Perfluoroalkylated amphiphilic MUC1 glycopeptide antigens as tools for cancer immunotherapy. <i>Chemical Communications</i> , 2011, 47, 382-384.	4.1	9
39	Lanmodulin peptides " unravelling the binding of the EF-Hand loop sequences stripped from the structural corset. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4009-4021.	6.0	9
40	One-Pot Synthesis of Substituted Trifluoromethylated 2,3-Dihydro-1 <i>H</i> -imidazoles. <i>Organic Letters</i> , 2016, 18, 3474-3477.	4.6	8
41	Synthesis of Fluorinated Analogues of Tumor-Associated Carbohydrate and Glycopeptide Antigens. <i>Synlett</i> , 2009, 2009, 2167-2171.	1.8	6
42	Synthesis and Antibody Binding of Highly Fluorinated Amphiphilic MUC1 Glycopeptide Antigens. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3878-3887.	2.4	6
43	Convenient Access to Di- and Tri-fluoroethylamines for Lead Structure Research. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 930-945.	2.4	6
44	Synthesis of a Fluorinated Sialophorin Hexasaccharide-Threonine Conjugate for Fmoc Solid-Phase Glycopeptide Synthesis. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3709-3720.	2.4	6
45	Synthesis of Highly Functionalized Propargylic Alcohols: Direct Addition of Epoxy Acetylides to Aldehydes and Ketones. <i>Helvetica Chimica Acta</i> , 2002, 85, 3176-3184.	1.6	5
46	A set of rhamnosylation-specific antibodies enables detection of novel protein glycosylations in bacteria. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6823-6828.	2.8	5
47	Transforming Chemical Proteomics Enrichment into a High-Throughput Method Using an SP2E Workflow. <i>JACS Au</i> , 2022, 2, 1712-1723.	7.9	4
48	Folding and Unfolding of the Short Light-Triggered $\beta$ -Hairpin Peptide AzoChignolin Occurs within 100 ns. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5113-5121.	2.6	3
49	Patterned monomolecular films from polymerizable and fluorinated lipids for the presentation of glycosylated lipids. <i>Colloid and Polymer Science</i> , 2014, 292, 1803-1815.	2.1	2
50	One-Pot Synthesis of Functionalized $\beta$ -Fluoroalkylated Mannich-Type Products from N-Aryl N,O-Acetals. <i>Synthesis</i> , 2016, 48, 1167-1176.	2.3	2
51	Rapid Generation of Molecular Complexity: Synthesis of $\beta$ -Hydroxyallenes Using Functionalized Grignard Reagents. <i>Synlett</i> , 2007, 2007, 0737-0740.	1.8	1
52	Efficient Synthesis of 2-Hydroxy-3,4-dienoates by Oxidation of Zirconium-Allenyl Enolates with Dimethyldioxirane. <i>Synthesis</i> , 2006, 2006, 2143-2146.	2.3	0
53	Front Cover: Synthesis of a Fluorinated Sialophorin Hexasaccharide-Threonine Conjugate for Fmoc Solid-Phase Glycopeptide Synthesis ( <i>Eur. J. Org. Chem.</i> 22/2016). <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3657-3657.	2.4	0