

Andreas Herrmann

List of Publications by Year in descending order

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67
papers

3,333
citations

136950

32
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144013

57
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86
all docs

86
docs citations

86
times ranked

2692
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic combinatorial/covalent chemistry: a tool to read, generate and modulate the bioactivity of compounds and compound mixtures. <i>Chemical Society Reviews</i> , 2014, 43, 1899-1933.	38.1	311
2	Synthesis of a Fullerene Derivative of Benzo[18]crown-6 by Diels-Alder Reaction: Complexation Ability, Amphiphilic Properties, and X-Ray Crystal Structure of a Dimethoxy-1,9-(methano[1,2]benzenomethano)fullerene[60] Benzene Clathrate. <i>Helvetica Chimica Acta</i> , 1993, 76, 2445-2453.	1.6	181
3	Controlled Release of Volatiles under Mild Reaction Conditions: From Nature to Everyday Products. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5836-5863.	13.8	165
4	Water-Soluble, Unimolecular Containers Based on Amphiphilic Multiarm Star Block Copolymers. <i>Macromolecules</i> , 2006, 39, 4507-4516.	4.8	154
5	The Covalent Chemistry of Higher Fullerenes: C70 and Beyond. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2268-2280.	4.4	120
6	Preparation of Enantiomerically Pure C76 with a General Electrochemical Method for the Removal of Di(alkoxycarbonyl)methano Bridges from Methanofullerenes: The Retro-Bingel Reaction. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1919-1922.	13.8	118
7	Chemistry of the Higher Fullerenes: Preparative isolation of C76 by HPLC and synthesis, separation, and characterization of Diels-Alder monoadducts of C70 and C76. <i>Helvetica Chimica Acta</i> , 1994, 77, 1689-1706.	1.6	110
8	Methanofullerene Molecular Scaffolding: Towards C60-substituted poly(triacetylenes) and expanded radialenes, preparation of a C60-C70 hybrid derivative, and a novel macrocyclization reaction. <i>Helvetica Chimica Acta</i> , 1997, 80, 293-316.	1.6	97
9	Redox Characteristics of Covalent Derivatives of the Higher Fullerenes C70, C76, and C78. <i>Journal of the American Chemical Society</i> , 1998, 120, 7860-7868.	13.7	97
10	Chemistry of C84: Separation of Three Constitutional Isomers and Optical Resolution of D2-C84 by Using the Bingel-Retro-Bingel Strategy. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1613-1617.	13.8	96
11	Synthesis of a Fullerene[60] Cryptate and Systematic Langmuir-Blodgett and Thin Film Investigations of Amphiphilic Fullerene Derivatives. <i>Chemistry - A European Journal</i> , 1995, 1, 243-251.	3.3	94
12	Dynamic mixtures and combinatorial libraries: imines as probes for molecular evolution at the interface between chemistry and biology. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3195.	2.8	87
13	Multiple Cyclopropanations of C70. Synthesis and characterization of bis-, tris-, and tetrakis-adducts and chiroptical properties of bis-adducts with chiral addends, including a recommendation for the configurational description of fullerene derivatives w. <i>Helvetica Chimica Acta</i> , 1995, 78, 1673-1704.	1.6	86
14	Controlled release of volatile aldehydes and ketones by reversible hydrazone formation – classical profragrances are getting dynamic. <i>Chemical Communications</i> , 2006, , 2965-2967.	4.1	79
15	Configurational Description of Chiral Fullerenes and Fullerene Derivatives with a Chiral Functionalization Pattern. <i>Helvetica Chimica Acta</i> , 1997, 80, 183-199.	1.6	75
16	Reversible Aminoal Formation: Controlling the Evaporation of Bioactive Volatiles by Dynamic Combinatorial/Covalent Chemistry. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 681-695.	2.4	70
17	Controlled Release of Volatile Aldehydes and Ketones from Dynamic Mixtures Generated by Reversible Hydrazone Formation. <i>Helvetica Chimica Acta</i> , 2007, 90, 2281-2314.	1.6	64
18	Controlled Release of Perfumery Aldehydes and Ketones by Norrish Type-II Photofragmentation of -Keto Esters in Undegassed Solution. <i>Helvetica Chimica Acta</i> , 2000, 83, 1645-1671.	1.6	61

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19	Using photolabile protecting groups for the controlled release of bioactive volatiles. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 446-459.	2.9	59
20	Reversible formation of aminals: a new strategy to control the release of bioactive volatiles from dynamic mixtures. <i>Chemical Communications</i> , 2010, 46, 3125.	4.1	54
21	Electric-Field Triggered Controlled Release of Bioactive Volatiles from Imine-Based Liquid Crystalline Phases. <i>Chemistry - A European Journal</i> , 2009, 15, 117-124.	3.3	53
22	The X-Ray Crystal Structures of a 1,9- and a 7,8-Diels-Alder monoadduct of C70. <i>Helvetica Chimica Acta</i> , 1995, 78, 344-354.	1.6	50
23	Amphiphilic Multi-Arm Star-Block Copolymers for Encapsulation of Fragrance Molecules. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 131-145.	2.2	50
24	Release of bioactive volatiles from supramolecular hydrogels: influence of reversible acylhydrazone formation on gel stability and volatile compound evaporation. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2906.	2.8	49
25	Dynamic Mixtures: Challenges and Opportunities for the Amplification and Sensing of Scents. <i>Chemistry - A European Journal</i> , 2012, 18, 8568-8577.	3.3	46
26	Die kovalente Chemie der höheren Fullere: C ₇₀ und jenseits davon. <i>Angewandte Chemie</i> , 1997, 109, 2362-2374.	2.0	42
27	Selective Peptide-Mediated Enhanced Deposition of Polymer Fragrance Delivery Systems on Human Hair. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24238-24249.	8.0	41
28	Controlled Release of Encapsulated Bioactive Volatiles by Rupture of the Capsule Wall through the Light-Induced Generation of a Gas. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2275-2279.	13.8	39
29	Synthesis, Separation, and Characterization of Optically Pure C76 Mono-Adducts. <i>Helvetica Chimica Acta</i> , 1996, 79, 1741-1756.	1.6	38
30	Light induced controlled release of fragrances by Norrish type II photofragmentation of alkyl phenyl ketones. Electronic supplementary information (ESI) available: spectroscopic data for intermediate compounds. See http://www.rsc.org/suppdata/pp/b2/b207918f/ . <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 907-919.	2.9	38
31	Achiral and Chiral Higher Adducts of C70 by Bingel Cyclopropanation. <i>Helvetica Chimica Acta</i> , 1999, 82, 261-289.	1.6	32
32	Dynamic headspace analysis of the light-induced controlled release of perfumery aldehydes and ketones from β -keto esters in bodycare and household applications. <i>Flavour and Fragrance Journal</i> , 2000, 15, 415-420.	2.6	31
33	Developing Multi Stimuli-Responsive Core/Shell Microcapsules to Control the Release of Volatile Compounds. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800599.	3.6	30
34	NMR Diffusion and Relaxation Studies of the Encapsulation of Fragrances by Amphiphilic Multiarm Star Block Copolymers. <i>Macromolecules</i> , 2007, 40, 5372-5378.	4.8	27
35	Investigation of the Release of Bioactive Volatiles from Amphiphilic Multiarm Star-Block Copolymers by Thermogravimetry and Dynamic Headspace Analysis. <i>Macromolecules</i> , 2008, 41, 7079-7089.	4.8	27
36	Controlled Release of Perfumery Alcohols by Neighboring-Group Participation. Comparison of the Rate Constants for the Alkaline Hydrolysis of 2-Acyl-, 2-(Hydroxymethyl)-, and 2-Carbamoylbenzoates. <i>Helvetica Chimica Acta</i> , 2003, 86, 2871-2899.	1.6	26

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37	Peptide-Enhanced Selective Surface Deposition of Polymer-Based Fragrance Delivery Systems. <i>Advanced Functional Materials</i> , 2017, 27, 1603843.	14.9	26
38	Synthesis of hydroxypropyl cellulose derivatives modified with amphiphilic diblock copolymer side-chains for the slow release of volatile molecules. <i>Polymer Chemistry</i> , 2011, 2, 2093.	3.9	24
39	Controlled Light-Induced Release of Volatile Aldehydes and Ketones by Photofragmentation of 2-Oxo-(2-phenyl)acetates. <i>Chimia</i> , 2007, 61, 661.	0.6	23
40	Amphiphilic Polymethacrylate- and Polystyrene-Based Chemical Delivery Systems for Damascones. <i>Helvetica Chimica Acta</i> , 2005, 88, 3089-3108.	1.6	21
41	Parameters Influencing the Release of Tertiary Alcohols from the Surface of Spherical Dendrimers and Linear Stylomers by Neighbouring Group-Assisted Hydrolysis of 2-Carbamoylbenzoates. <i>Chemistry3.3 - A European Journal</i> , 2009, 15, 2846-2860.		21
42	Functionalized cellulose nanocrystals as nanocarriers for sustained fragrance release. <i>Polymer Chemistry</i> , 2015, 6, 6553-6562.	3.9	21
43	Slow release of fragrance aldehydes and ketones in functional perfumery from dynamic mixtures generated with <i>N</i> -heteroarylmethyl-substituted secondary diamines. <i>Flavour and Fragrance Journal</i> , 2013, 28, 280-293.	2.6	20
44	Controlled Stepwise Release of Fragrance Alcohols from Dendrimer-Based 2-Carbamoylbenzoates by Neighbouring Group Participation. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 967-971.	2.4	19
45	Light-induced controlled release of fragrance aldehydes from 1-alkoxy-9,10-anthraquinones for applications in functional perfumery. <i>Flavour and Fragrance Journal</i> , 2006, 21, 400-409.	2.6	18
46	Stabilized Hemiacetal Complexes as Precursors for the Controlled Release of Bioactive Volatile Alcohols. <i>Chemistry and Biodiversity</i> , 2012, 9, 689-701.	2.1	18
47	Profragrance Chemistry as an Interdisciplinary Research Area and Key Technology for Fragrance Delivery. <i>Chimia</i> , 2017, 71, 414.	0.6	18
48	Preparation of Imidazolidinones and Their Evaluation as Hydrolytically Cleavable Precursors for the Slow Release of Bioactive Volatile Carbonyl Derivatives. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2837-2854.	2.4	17
49	Influence of the Backbone Structure on the Release of Bioactive Volatiles from Maleic Acid-Based Polymer Conjugates. <i>Bioconjugate Chemistry</i> , 2010, 21, 2000-2012.	3.6	15
50	Design of Stimuli-Responsive Dynamic Covalent Delivery Systems for Volatile Compounds (Part 2): Fragrance-Releasing Cleavable Surfactants in Functional Perfumery Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 13468-13476.	3.3	13
51	Synthesis, separation and characterisation of the first pure multiple adducts of C2v- and D3-C78. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 1679-1684.	0.9	12
52	Controlled fragrance release from galactose-based pro-fragrances. <i>RSC Advances</i> , 2014, 4, 50882-50890.	3.6	12
53	Controlled release of perfumery alcohols by alkaline hydrolysis of 2-formyl- and 2-acetylbenzoates and their corresponding phthalides. <i>Perkin Transactions II RSC</i> , 2001, , 438-440.	1.1	11
54	Photolabile acetals as profragrances: the effect of structural modifications on the light-induced release of volatile aldehydes on cotton. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1183-1203.	2.9	11

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55	Thioether Profragrances: Parameters Influencing the Performance of Precursor-Based Fragrance Delivery in Functional Perfumery. <i>Chemistry and Biodiversity</i> , 2014, 11, 1700-1733.	2.1	10
56	Design of Stimuli-Responsive Dynamic Covalent Delivery Systems for Volatile Compounds (Part 1): Controlled Hydrolysis of Micellar Amphiphilic Imines in Water. <i>Chemistry - A European Journal</i> , 2021, 27, 13457-13467.	3.3	10
57	Controlled release of volatile compounds using the Norrish type II reaction. <i>Photochemistry</i> , 2018, , 242-264.	0.2	10
58	Controlled Release of Damascone from Poly(styrene-co-maleic anhydride)-based Bioconjugates in Functional Perfumery. <i>Polymers</i> , 2013, 5, 234-253.	4.5	9
59	Photochemistry of 2-Oxoacetates: from Mechanistic Insights to Profragrances and Bursting Capsules. <i>Chimia</i> , 2019, 74, 39.	0.6	7
60	“Old” chemistry in a new context: photocleavable 2-oxoacetate-containing latex dispersions and core-shell microcapsules for the controlled release of volatile compounds. <i>Polymer Chemistry</i> , 2015, 6, 3224-3235.	3.9	6
61	Polystyrene-Based 2-Oxoacetates for the Light-Induced Release of Fragrances Under Realistic Application Conditions. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000196.	2.2	6
62	Controlled Release of Volatile Secondary and Tertiary Alcohols by Neighboring Group Participation: Stepwise Cyclization and Reopening of 2,2-Bis(carbamoyl)dibenzoates at Neutral pH. <i>Chemistry and Biodiversity</i> , 2008, 5, 2621-2639.	2.1	5
63	Light-Induced Fragrance Release from 2-Oxoacetates: Impact of Compound Mixtures on the Efficiency of the Norrish Type II Photoreaction in Solution and in Encapsulation Systems. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	2
64	Controlled Release of Perfumery Alcohols by Neighboring-Group Participation. Comparison of the Rate Constants for the Alkaline Hydrolysis of 2-Acyl-, 2-(Hydroxymethyl)-, and 2-Carbamoylbenzoates.. <i>ChemInform</i> , 2003, 34, no.	0.0	1
65	Cover Picture: Controlled Release of Volatiles under Mild Reaction Conditions: From Nature to Everyday Products (<i>Angew. Chem. Int. Ed.</i> 31/2007). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5807-5807.	13.8	1
66	Size isn't Everything! Parameters Influencing the Release of Volatiles from Macromolecular Bioconjugates. <i>Chimia</i> , 2010, 64, 669.	0.6	0
67	Titelbild: Kontrollierte Freisetzung von verkapselten flüchtigen bioaktiven Verbindungen durch Brechen der Kapselwand als Folge einer lichtinduzierten Gasbildung (<i>Angew. Chem.</i> 7/2015). <i>Angewandte Chemie</i> , 2015, 127, 1999-1999.	2.0	0