# Andreas Herrmann

List of Publications by Year
in descending order



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|---|---|---|---|
| 67 papers | 3,333 citations | 136950 32 h-index | 144013 57 g-index |
| 86 all docs | 86 docs citations | 86 times ranked | 2692 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Lightâ€Induced Fragrance Release from 2â€Oxoacetates: Impact of Compound Mixtures on the Efficiency of the Norrish Type II Photoreaction in Solution and in Encapsulation Systems. ChemPhotoChem, 2022, 6, . | 3.0 | 2 |
| 2 | Design of Stimuliâ€Responsive Dynamic Covalent Delivery Systems for Volatile Compounds (Partâ€…2): Fragranceâ€Releasing Cleavable Surfactants in Functional Perfumery Applications. Chemistry - A European Journal, 2021, 27, 13468-13476. | 3.3 | 13 |
| 3 | Design of Stimuliâ€Responsive Dynamic Covalent Delivery Systems for Volatile Compounds (Partâ€…1): Controlled Hydrolysis of Micellar Amphiphilic Imines in Water. Chemistry - A European Journal, 2021, 27, 13457-13467. | 3.3 | 10 |
| 4 | Polystyreneâ€Based 2â€Oxoacetates for the Lightâ€Induced Release of Fragrances Under Realistic Application Conditions. Macromolecular Chemistry and Physics, 2020, 221, 2000196. | 2.2 | 6 |
| 5 | Developing Multi Stimuliâ€Responsive Core/Shell Microcapsules to Control the Release of Volatile Compounds. Macromolecular Materials and Engineering, 2019, 304, 1800599. | 3.6 | 30 |
| 6 | Photochemistry of 2-Oxoacetates: from Mechanistic Insights to Profragrances and Bursting Capsules. Chimia, 2019, 74, 39. | 0.6 | 7 |
| 7 | Controlled release of volatile compounds using the Norrish type II reaction. Photochemistry, 2018, , 242-264. | 0.2 | 10 |
| 8 | Selective Peptide-Mediated Enhanced Deposition of Polymer Fragrance Delivery Systems on Human Hair. ACS Applied Materials & Interfaces, 2017, 9, 24238-24249. | 8.0 | 41 |
| 9 | Peptideâ€Enhanced Selective Surface Deposition of Polymerâ€Based Fragrance Delivery Systems. Advanced Functional Materials, 2017, 27, 1603843. | 14.9 | 26 |
| 10 | Profragrance Chemistry as an Interdisciplinary Research Area and Key Technology for Fragrance Delivery. Chimia, 2017, 71, 414. | 0.6 | 18 |
| 11 | Photolabile acetals as profragrances: the effect of structural modifications on the light-induced release of volatile aldehydes on cotton. Photochemical and Photobiological Sciences, 2016, 15, 1183-1203. | 2.9 | 11 |
| 12 | Titelbild: Kontrollierte Freisetzung von verkapselten flÃ¼chtigen bioaktiven Verbindungen durch Brechen der Kapselwand als Folge einer lichtinduzierten Gasbildung (Angew. Chem. 7/2015). Angewandte Chemie, 2015, 127, 1999-1999. | 2.0 | 0 |
| 13 | Controlled Release of Encapsulated Bioactive Volatiles by Rupture of the Capsule Wall through the Lightâ€Induced Generation of a Gas. Angewandte Chemie - International Edition, 2015, 54, 2275-2279. | 13.8 | 39 |
| 14 | â€œOldâ€chemistry in a new context: photocleavable 2-oxoacetate-containing latex dispersions and coreâ€“shell microcapsules for the controlled release of volatile compounds. Polymer Chemistry, 2015, 6, 3224-3235. | 3.9 | 6 |
| 15 | Functionalized cellulose nanocrystals as nanocarriers for sustained fragrance release. Polymer Chemistry, 2015, 6, 6553-6562. | 3.9 | 21 |
| 16 | Thioether Profragrances: Parameters Influencing the Performance of Precursorâ€Based Fragrance Delivery in Functional Perfumery. Chemistry and Biodiversity, 2014, 11, 1700-1733. | 2.1 | 10 |
| 17 | Dynamic combinatorial/covalent chemistry: a tool to read, generate and modulate the bioactivity of compounds and compound mixtures. Chemical Society Reviews, 2014, 43, 1899-1933. | 38.1 | 311 |
| 18 | Controlled fragrance release from galactose-based pro-fragrances. RSC Advances, 2014, 4, 50882-50890. | 3.6 | 12 |

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|---|---|---|---|
| 19 | Controlled Release of Damascone from Poly(styrene-co-maleic anhydride)-based Bioconjugates in Functional Perfumery. Polymers, 2013, 5, 234-253. | 4.5 | 9 |
| 20 | Slow release of fragrance aldehydes and ketones in functional perfumery from dynamic mixtures generated with Nâ€heteroarylmethylâ€substituted secondary diamines. Flavour and Fragrance Journal, 2013, 28, 280-293. | 2.6 | 20 |
| 21 | Using photolabile protecting groups for the controlled release of bioactive volatiles. Photochemical and Photobiological Sciences, 2012, 11, 446-459. | 2.9 | 59 |
| 22 | Preparation of Imidazolidinâ€4â€ones and Their Evaluation as Hydrolytically Cleavable Precursors for the Slow Release of Bioactive Volatile Carbonyl Derivatives. European Journal of Organic Chemistry, 2012, 2012, 2837-2854. | 2.4 | 17 |
| 23 | Stabilized Hemiacetal Complexes as Precursors for the Controlled Release of Bioactive Volatile Alcohols. Chemistry and Biodiversity, 2012, 9, 689-701. | 2.1 | 18 |
| 24 | Dynamic Mixtures: Challenges and Opportunities for the Amplification and Sensing of Scents. Chemistry - A European Journal, 2012, 18, 8568-8577. | 3.3 | 46 |
| 25 | Release of bioactive volatiles from supramolecular hydrogels: influence of reversible acylhydrazone formation on gel stability and volatile compound evaporation. Organic and Biomolecular Chemistry, 2011, 9, 2906. | 2.8 | 49 |
| 26 | Synthesis of hydroxypropyl cellulose derivatives modified with amphiphilic diblock copolymer side-chains for the slow release of volatile molecules. Polymer Chemistry, 2011, 2, 2093. | 3.9 | 24 |
| 27 | Reversible Aminal Formation: Controlling the Evaporation of Bioactive Volatiles by Dynamic Combinatorial/Covalent Chemistry. European Journal of Organic Chemistry, 2011, 2011, 681-695. | 2.4 | 70 |
| 28 | Size isn't Everything! Parameters Influencing the Release of Volatiles from Macromolecular Bioconjugates. Chimia, 2010, 64, 669. | 0.6 | 0 |
| 29 | Influence of the Backbone Structure on the Release of Bioactive Volatiles from Maleic Acid-Based Polymer Conjugates. Bioconjugate Chemistry, 2010, 21, 2000-2012. | 3.6 | 15 |
| 30 | Reversible formation of aminals: a new strategy to control the release of bioactive volatiles from dynamic mixtures. Chemical Communications, 2010, 46, 3125. | 4.1 | 54 |
| 31 | Parameters Influencing the Release of Tertiary Alcohols from the Surface of â€œSphericalâ€•Dendrimers and â€œLinearâ€•Stylomers by Neighbouringâ€Groupâ€Assisted Hydrolysis of 2â€Carbamoylbenzoates. Chemistry - A European Journal, 2009, 15, 2846-2860. | 3.3 | 21 |
| 32 | Electricâ€Field Triggered Controlled Release of Bioactive Volatiles from Imineâ€Based Liquid Crystalline Phases. Chemistry - A European Journal, 2009, 15, 117-124. | 3.3 | 53 |
| 33 | Dynamic mixtures and combinatorial libraries: imines as probes for molecular evolution at the interface between chemistry and biology. Organic and Biomolecular Chemistry, 2009, 7, 3195. | 2.8 | 87 |
| 34 | Controlled Release of Volatile Secondary and Tertiary Alcohols by Neighboring Group Participation: Stepwise Cyclization and Reâ€Opening of 2,2â€²â€Bis(carbamoyl)dibenzoates at Neutral pH. Chemistry and Biodiversity, 2008, 5, 2621-2639. | 2.1 | 5 |
| 35 | Investigation of the Release of Bioactive Volatiles from Amphiphilic Multiarm Star-Block Copolymers by Thermogravimetry and Dynamic Headspace Analysis. Macromolecules, 2008, 41, 7079-7089. | 4.8 | 27 |
| 36 | Controlled Light-Induced Release of Volatile Aldehydes and Ketones by Photofragmentation of 2-Oxo-(2-phenyl)acetates. Chimia, 2007, 61, 661. | 0.6 | 23 |

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|---|---|---|---|
| 37 | NMR Diffusion and Relaxation Studies of the Encapsulation of Fragrances by Amphiphilic Multiarm Star Block Copolymers. Macromolecules, 2007, 40, 5372-5378. | 4.8 | 27 |
| 38 | Controlled Release of Volatiles under Mild Reaction Conditions: From Nature to Everyday Products. Angewandte Chemie - International Edition, 2007, 46, 5836-5863. | 13.8 | 165 |
| 39 | Cover Picture: Controlled Release of Volatiles under Mild Reaction Conditions: From Nature to Everyday Products (Angew. Chem. Int. Ed. 31/2007). Angewandte Chemie - International Edition, 2007, 46, 5807-5807. | 13.8 | 1 |
| 40 | Controlled Release of Volatile Aldehydes and Ketones from Dynamic Mixtures Generated by Reversible Hydrazone Formation. Helvetica Chimica Acta, 2007, 90, 2281-2314. | 1.6 | 64 |
| 41 | Amphiphilic Multi-Arm Star-Block Copolymers for Encapsulation of Fragrance Molecules. Macromolecular Chemistry and Physics, 2007, 208, 131-145. | 2.2 | 50 |
| 42 | Controlled release of volatile aldehydes and ketones by reversible hydrazone formation â€“ â€œclassicalâ€• profragrances are getting dynamic. Chemical Communications, 2006, , 2965-2967. | 4.1 | 79 |
| 43 | Water-Soluble, Unimolecular Containers Based on Amphiphilic Multiarm Star Block Copolymers. Macromolecules, 2006, 39, 4507-4516. | 4.8 | 154 |
| 44 | Light-induced controlled release of fragrance aldehydes from 1-alkoxy-9,10-anthraquinones for applications in functional perfumery. Flavour and Fragrance Journal, 2006, 21, 400-409. | 2.6 | 18 |
| 45 | Amphiphilic Polymethacrylate- and Polystyrene-Based Chemical Delivery Systems for Damascones. Helvetica Chimica Acta, 2005, 88, 3089-3108. | 1.6 | 21 |
| 46 | 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. Helvetica Chimica Acta, 2003, 86, 2871-2899. | 1.6 | 26 |
| 47 | Controlled Stepwise Release of Fragrance Alcohols from Dendrimer-Based 2-Carbamoylbenzoates by Neighbouring Group Participation. European Journal of Organic Chemistry, 2003, 2003, 967-971. | 2.4 | 19 |
| 48 | 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.. ChemInform, 2003, 34, no. | 0.0 | 1 |
| 49 | Light induced controlled release of fragrances by Norrish type II photofragmentation of alkyl phenyl ketonesElectronic supplementary information (ESI) available: spectroscopic data for intermediate compounds. See http://www.rsc.org/suppdata/pp/b2/b207918f/. Photochemical and Photobiological Sciences, 2002, 1, 907-919. | 2.9 | 38 |
| 50 | Controlled release of perfumery alcohols by alkaline hydrolysis of 2-formyl- and 2-acetylbenzoates and their corresponding phthalides. Perkin Transactions II RSC, 2001, , 438-440. | 1.1 | 11 |
| 51 | Controlled Release of Perfumery Aldehydes and Ketones by Norrish Type-II Photofragmentation of -Keto Esters in Undegassed Solution. Helvetica Chimica Acta, 2000, 83, 1645-1671. | 1.6 | 61 |
| 52 | Dynamic headspace analysis of the light-induced controlled release of perfumery aldehydes and ketones from ?-keto esters in bodycare and household applications. Flavour and Fragrance Journal, 2000, 15, 415-420. | 2.6 | 31 |
| 53 | Achiral and Chiral Higher Adducts of C70 byBingel Cyclopropanation. Helvetica Chimica Acta, 1999, 82, 261-289. | 1.6 | 32 |
| 54 | Chemistry of C84: Separation of Three Constitutional Isomers and Optical Resolution ofD2-C84 by Using the â€œBingel-Retro-Bingelâ€•Strategy. Angewandte Chemie - International Edition, 1999, 38, 1613-1617. | 13.8 | 96 |

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|---|---|---|---|
| 55 | Preparation of Enantiomerically Pure C76 with a General Electrochemical Method for the Removal of Di(alkoxycarbonyl)methano Bridges from Methanofullerenes: The Retro-Bingel Reaction. Angewandte Chemie - International Edition, 1998, 37, 1919-1922. | 13.8 | 118 |
| 56 | Redox Characteristics of Covalent Derivatives of the Higher Fullerenes C70, C76, and C78. Journal of the American Chemical Society, 1998, 120, 7860-7868. | 13.7 | 97 |
| 57 | Synthesis, separation and characterisation of the first pure multiple adducts of C2v- and D3-C78. Journal of the Chemical Society Perkin Transactions II, 1997, , 1679-1684. | 0.9 | 12 |
| 58 | Configurational Description of Chiral Fullerenes and Fullerene Derivatives with a Chiral Functionalization Pattern. Helvetica Chimica Acta, 1997, 80, 183-199. | 1.6 | 75 |
| 59 | The Covalent Chemistry of Higher Fullerenes: C70 and Beyond. Angewandte Chemie International Edition in English, 1997, 36, 2268-2280. | 4.4 | 120 |
| 60 | Die kovalente Chemie der hÃ¶heren Fullerene: C<sub>70</sub> und jenseits davon. Angewandte Chemie, 1997, 109, 2362-2374. | 2.0 | 42 |
| 61 | Methanofullerene Molecular Scaffolding: Towards C60-substituted poly(triacetylenes) and expanded radialenes, preparation of a C60-C70 hybrid derivative, and a novel macrocyclization reaction. Helvetica Chimica Acta, 1997, 80, 293-316. | 1.6 | 97 |
| 62 | Synthesis, Separation, and Characterization of Optically Pure C76 Mono-Adducts. Helvetica Chimica Acta, 1996, 79, 1741-1756. | 1.6 | 38 |
| 63 | Synthesis of a Fullerene[60] Cryptate and Systematic Langmuirâ€Blodgett and Thinâ€Film Investigations of Amphiphilic Fullerene Derivatives. Chemistry - A European Journal, 1995, 1, 243-251. | 3.3 | 94 |
| 64 | The X-Ray Crystal Structures of a 1,9- and a 7,8-Diels-Alder monoadduct of C70. Helvetica Chimica Acta, 1995, 78, 344-354. | 1.6 | 50 |
| 65 | 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. Helvetica Chimica Acta, 1995, 78, 1673-1704. | 1.6 | 86 |
| 66 | Chemistry of the Higher Fullerenes: Preparative isolation of C76by HPLC and synthesis, separation, and characterization ofDiels-Aldermonoadducts of C70and C76. Helvetica Chimica Acta, 1994, 77, 1689-1706. | 1.6 | 110 |
| 67 | Synthesis of a Fullerene Derivative of Benzo[18]crown-6 byDiels-Alder Reaction: Complexation Ability, Amphiphilic Properties, and X-Ray Crystal Structure of a Dimethoxy-1,9-(methano[1,2]benzenomethano)fullerene[60] Benzene Clathrate. Helvetica Chimica Acta, 1993, 76, 2445-2453. | 1.6 | 181 |