

Hanspeter Kaehlig

List of Publications by Year in descending order

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100
papers

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218677

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102
docs citations

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times ranked

2329
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Gut Bacteria Using Inulin-Conjugated Mesoporous Silica Nanoparticles (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	3.7	1
2	TANNylation of mesoporous silica nanoparticles and bioactivity profiling in intestinal cells. Journal of Colloid and Interface Science, 2022, 623, 962-973.	9.4	1
3	On the importance of the linking chemistry for the PEGylation of mesoporous silica nanoparticles. Journal of Colloid and Interface Science, 2021, 589, 453-461.	9.4	29
4	Irreversible Adsorption of Serum Proteins onto Nanoparticles. Particle and Particle Systems Characterization, 2021, 38, .	2.3	4
5	Facile Synthesis of Spatially-Functionalized Core-Shell Nanocatalysts with 3 Mesopore Structure. ChemCatChem, 2021, 13, 1140-1145.	3.7	3
6	Stereospecific Response of E/Z-isomers of N-Nitrososarcosine in LC-ESI-MS/MS. Journal of Chromatographic Science, 2021, 59, 813-822.	1.4	3
7	The Structural Difference of Isobaric N-Glycans of Two Microalgae Samples Reveals Taxonomic Distance. Frontiers in Plant Science, 2021, 12, 643249.	3.6	3
8	Evaporation-Induced Self-Assembly of Small Peptide-Conjugated Silica Nanoparticles. Angewandte Chemie, 2021, 133, 22882.	2.0	0
9	Evaporation-Induced Self-Assembly of Small Peptide-Conjugated Silica Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 22700-22705.	13.8	10
10	A Combination of Structural, Genetic, Phenotypic and Enzymatic Analyses Reveals the Importance of a Predicted Fucosyltransferase to Protein O-Glycosylation in the Bacteroidetes. Biomolecules, 2021, 11, 1795.	4.0	5
11	Antiplasmodial activity of triterpenes isolated from the methanolic leaf extract of Combretum racemosum P. Beauv. Journal of Ethnopharmacology, 2020, 247, 112203.	4.1	10
12	Methylated Xanthenes from the Rootlets of Metaxya rostrata Display Cytotoxic Activity in Colorectal Cancer Cells. Molecules, 2020, 25, 4449.	3.8	0
13	Isolation and Characterization of Acetylcholinesterase Inhibitors from Piper longum and Binding Mode Predictions. Planta Medica, 2020, 86, 1118-1124.	1.3	5
14	Indium-mediated allylation of disaccharides. Carbohydrate Research, 2020, 498, 108170.	2.3	1
15	Understanding Selectivity of Mesoporous Silica-Grafted Diglycolamide-Type Ligands in the Solid-Phase Extraction of Rare Earths. ACS Applied Materials & Interfaces, 2020, 12, 57003-57016.	8.0	34
16	A Many-Faced Alkaloid: Polymorphism of (α)-Monophyllidin. Molecules, 2020, 25, 449.	3.8	0
17	Random coil shifts of posttranslationally modified amino acids. Journal of Biomolecular NMR, 2019, 73, 587-599.	2.8	24
18	Waste-Derived Low-Cost Mycelium Nanopapers with Tunable Mechanical and Surface Properties. Biomacromolecules, 2019, 20, 3513-3523.	5.4	51

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19	Indium-mediated C-allylation of melibiose. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2458-2464.	2.2	2
20	A versatile de novo synthesis of legionaminic acid and 4-epi-legionaminic acid starting from d-serine. <i>Carbohydrate Research</i> , 2019, 474, 34-42.	2.3	7
21	Synthesis of 3-deoxy-2-uloses via the indium-mediated allylation reaction. <i>Monatshefte für Chemie</i> , 2019, 150, 849-860.	1.8	5
22	Ovalbumin Epitope SIINFEKL Self-Assembles into a Supramolecular Hydrogel. <i>Scientific Reports</i> , 2019, 9, 2696.	3.3	9
23	Unusual mechanisms in Claisen rearrangements: an ionic fragmentation leading to a <i>meta</i> -selective rearrangement. <i>Chemical Science</i> , 2018, 9, 4124-4131.	7.4	28
24	¹⁹ F multiple-quantum coherence NMR spectroscopy for probing protein-ligand interactions. <i>RSC Advances</i> , 2018, 8, 40687-40692.	3.6	3
25	A Toolbox for the Synthesis of Multifunctionalized Mesoporous Silica Nanoparticles for Biomedical Applications. <i>ACS Omega</i> , 2018, 3, 17496-17510.	3.5	48
26	Simultaneous penetration monitoring of oil component and active drug from fluorinated nanoemulsions. <i>International Journal of Pharmaceutics</i> , 2018, 552, 312-318.	5.2	7
27	Chemical Composition of <i>Scrophularia lucida</i> and the Effects on Tumor Invasiveness in Vitro. <i>Frontiers in Pharmacology</i> , 2018, 9, 304.	3.5	13
28	C2-Modified Sparteine Derivatives Are a New Class of Potentially Long-Acting Sodium Channel Blockers. <i>ChemMedChem</i> , 2017, 12, 1819-1822.	3.2	10
29	Acetylated Furostene Glycosides from <i>Solanum gilo</i> Fruits. <i>Planta Medica</i> , 2017, 83, 1227-1232.	1.3	4
30	Rare phenolic structures found in the aerial parts of <i>Eriosema laurentii</i> De Wild.. <i>Phytochemistry</i> , 2016, 128, 5-11.	2.9	9
31	New flavonoids from the underground parts of <i>Eriosema laurentii</i> . <i>Phytochemistry Letters</i> , 2016, 18, 144-149.	1.2	3
32	Arginine side-chain modification that occurs during copper-catalysed azide-alkyne click reactions resembles an advanced glycation end product. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6205-6211.	2.8	21
33	Hybrids of Salicylalkylamides and Mannich Bases: Control of the Amide Conformation by Hydrogen Bonding in Solution and in the Solid State. <i>Molecules</i> , 2015, 20, 1686-1711.	3.8	8
34	Stereoselective Gold(I) Domino Catalysis of Allylic Isomerization and Olefin Cyclopropanation: Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2015, 80, 5719-5729.	3.2	26
35	Investigation of microemulsion microstructure and its impact on skin delivery of flufenamic acid. <i>International Journal of Pharmaceutics</i> , 2015, 490, 292-297.	5.2	23
36	Intermolecular Reactions of a Foiled Carbene with Carbonyl Compounds: The Effects of Trishomocyclopropyl Stabilization. <i>Journal of Organic Chemistry</i> , 2015, 80, 11877-11887.	3.2	4

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37	Topical delivery of acetyl hexapeptide-8 from different emulsions: Influence of emulsion composition and internal structure. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 68, 27-35.	4.0	30
38	Indium-mediated allylation in carbohydrate synthesis: A short and efficient approach towards higher 2-acetamido-2-deoxy sugars. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2230-2234.	2.2	9
39	Acetylcholinesterase inhibitors from galbanum, the oleo gum-resin of <i>Ferula gummosa</i> Boiss.. <i>Phytochemistry Letters</i> , 2014, 10, lxxxii-lxxxvii.	1.2	23
40	Lupinalbin A as the most potent estrogen receptor $\hat{\pm}$ - and aryl hydrocarbon receptor agonist in <i>Eriosema laurentii</i> de Wild. (Leguminosae). <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 294.	3.7	13
41	Simultaneous analysis of skin penetration of surfactant and active drug from fluorosurfactant-based microemulsions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 34-39.	4.3	19
42	Combination of Bioautography with HPTLC-MS/NMR: A Fast Identification of Acetylcholinesterase Inhibitors from Galbanum. <i>Phytochemical Analysis</i> , 2013, 24, 395-400.	2.4	59
43	Probing the Nature and Extent of Stabilization within Foiled Carbenes: Homoallylic Participation by a Neighboring Cyclopropane Ring. <i>Journal of Organic Chemistry</i> , 2013, 78, 4879-4885.	3.2	2
44	Compounds from Gum Ammoniacum with Acetylcholinesterase Inhibitory Activity. <i>Scientia Pharmaceutica</i> , 2013, 81, 793-805.	2.0	22
45	2-Deprenyl-Rheediaxanthone B Isolated from <i>Metaxya rostrata</i> Induces Active Cell Death in Colorectal Tumor Cells. <i>PLoS ONE</i> , 2013, 8, e65745.	2.5	10
46	Two Unusual Methylidenecyclopropane Glucosides from <i>Metaxya rostrata</i> C. Presl. <i>Helvetica Chimica Acta</i> , 2012, 95, 1531-1537.	1.6	7
47	Novel Chiral Selector Based on Mefloquine - A Comparative NMR Study to Elucidate Intermolecular Interactions with Acidic Chiral Selectands. <i>Chirality</i> , 2012, 24, 936-943.	2.6	6
48	Secondary metabolites of <i>Centaurea calolepis</i> and evaluation of cnicin for anti-inflammatory, antioxidant, and cytotoxic activities. <i>Pharmaceutical Biology</i> , 2011, 49, 840-849.	2.9	49
49	Synthesis of 5-(Fluorophenyl)tocopherols as Novel Dioxin Receptor Antagonists. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2450-2457.	2.4	12
50	Apparently No Sedative Benzoflavone Moiety in <i>Passiflorae Herba</i> . <i>Planta Medica</i> , 2010, 76, 662-664.	1.3	6
51	Rapid Structural Identification of Cytotoxic Bufadienolide Sulfates in Toad Venom from <i>Bufo melanostictus</i> by LC-DAD-MS and LC-SPE-NMR. <i>Journal of Natural Products</i> , 2010, 73, 603-608.	3.0	34
52	Multinuclear NMR Characterisation and Dermal Delivery of Fluorinated Drugs in Soybean-Microemulsion Systems. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 2686-2695.	3.3	7
53	Characterization of degradation products of poly[(3,3,3-trifluoropropyl)methylsiloxane] by nuclear magnetic resonance spectroscopy, mass spectrometry and gas chromatography. <i>Polymer Degradation and Stability</i> , 2009, 94, 1254-1260.	5.8	31
54	Chitosan-glycolic acid: a possible matrix for progesterone delivery into skin. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 997-1002.	2.0	11

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55	Chemical and Pharmacological Investigations of <i>Metaxya rostrata</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2008, 63, 469-475.	1.4	5
56	Two new ammonium-fluorosilicates, the products of interaction of fluorosilicic acid with 12-membered macrocycles: structures and spectroscopic properties. <i>Dalton Transactions</i> , 2007, , 2915-2924.	3.3	17
57	Evaluation of an eucalyptus oil containing topical drug delivery system for selected steroid hormones. <i>International Journal of Pharmaceutics</i> , 2007, 328, 142-151.	5.2	61
58	Characterization of stationary phases for gas chromatography by ²⁹ Si nuclear magnetic resonance spectroscopy. <i>Journal of Chromatography A</i> , 2006, 1131, 235-241.	3.7	7
59	A General Approach for the Identification of Site-Specific RNA Binders by ¹⁹ F NMR Spectroscopy: Proof of Concept. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3450-3453.	13.8	69
60	Rheology and NMR Self-Diffusion Experiments as Well as Skin Permeation of Diclofenac-Sodium and Cyproterone Acetate of New Gel Preparations. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 288-296.	3.3	16
61	Characterization of siloxane copolymers by solution ¹⁷ O NMR spectroscopy. <i>Polymer</i> , 2005, 46, 6447-6454.	3.8	8
62	Ring Opening Reactions of 1,2-Didehydroprolines. Part II. Synthesis of 5-Amino-2,4-dihydroxypentanoic Acids, their 2-Piperidones and Pentanolides [1]. <i>Monatshefte Für Chemie</i> , 2005, 136, 719-726.	1.8	3
63	N-Acetylmuramic Acid as Capping Element of α -D-Fucose-containing S-layer Glycoprotein Glycans from <i>Geobacillus tepidamans</i> GS5-97T. <i>Journal of Biological Chemistry</i> , 2005, 280, 20292-20299.	3.4	25
64	Aiming for Branimycin: Synthesis of thecis-Decalin Core. <i>Synlett</i> , 2005, 2005, 2227-2229.	1.8	14
65	Ribose ² -FLabeling: A Simple Tool for the Characterization of RNA Secondary Structure Equilibria by ¹⁹ F NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 11558-11559.	13.7	74
66	Tetramethyl-p,sil-diphenylene ether-dimethyl, diphenylsiloxane copolymers as stationary phases in gas chromatography. <i>Journal of Chromatography A</i> , 2004, 1042, 147-154.	3.7	13
67	Total Synthesis of the Microtubule Stabilizing Antitumor Agent Laulimalide and Some Nonnatural Analogues: The Power of Sharpless' Asymmetric Epoxidation. <i>Journal of Organic Chemistry</i> , 2003, 68, 3026-3042.	3.2	126
68	A trifluoropropyl-containing silphenylene-siloxane terpolymer for high temperature gas chromatography. <i>Journal of Separation Science</i> , 2003, 26, 1436-1442.	2.5	12
69	Chromatographic properties of tetramethyl-p-silphenylene-dimethyl, diphenylsiloxane copolymers as stationary phases for gas-liquid chromatography. <i>Journal of Chromatography A</i> , 2003, 993, 59-70.	3.7	12
70	Insecticidal pyrido[1,2-a]azepine alkaloids and related derivatives from <i>Stemona</i> species. <i>Phytochemistry</i> , 2003, 63, 803-816.	2.9	126
71	Chiral Recognition of Peptide Enantiomers by Cinchona Alkaloid Derived Chiral Selectors: Mechanistic Investigations by Liquid Chromatography, NMR Spectroscopy, and Molecular Modeling. <i>Journal of Organic Chemistry</i> , 2003, 68, 8315-8327.	3.2	54
72	A 50% n-octylmethyl, 50% diphenyl-polysiloxane as stationary phase with unique selectivity for gas chromatography. <i>Analyst, The</i> , 2003, 128, 1238-1242.	3.5	15

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73	Approaches to new derivatives of cellulose as designed pharmaceutical excipients. <i>Hemijaska Industrija</i> , 2003, 57, 622-625.	0.7	1
74	The Surface Layer (S-layer) Glycoprotein of <i>Geobacillus stearothermophilus</i> NRS 2004/3a. <i>Journal of Biological Chemistry</i> , 2002, 277, 6230-6239.	3.4	68
75	A Bicyclic Cispentacin Derivative as a Novel Reverse Turn Inducer in a GnRH Mimetic. <i>Journal of Organic Chemistry</i> , 2002, 67, 6878-6883.	3.2	17
76	Analysis of Carbohydrate Mixtures by Diffusion Difference NMR Spectroscopy. <i>Monatshefte für Chemie</i> , 2002, 133, 589-598.	1.8	7
77	Macrocyclization via Allyl Transfer: Total Synthesis of Laulimalide. <i>Journal of the American Chemical Society</i> , 2001, 123, 10764-10765.	13.7	57
78	¹⁷ O NMR studies on (E)-3-arylidenechromanone and -flavanone derivatives. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 463-465.	1.9	2
79	The 12,13-Diol Cyclization Approach for a Truly Stereocontrolled Total Synthesis of Epothilone B and the Synthesis of a Conformationally Restrained Analogue. <i>Chemistry - A European Journal</i> , 2001, 7, 2261-2271.	3.3	31
80	Synthesis of the C1-C13 Fragment of Kendomycin: Atropisomerism around a C ^α -Aryl Glycosidic Bond. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3186-3188.	13.8	46
81	Characterization of stationary phases for gas chromatography by ²⁹ Si NMR spectroscopy. <i>Journal of Chromatography A</i> , 2001, 917, 219-226.	3.7	18
82	A novel type of carbohydrate-protein linkage region in the tyrosine-bound S-layer glycan of <i>Thermoanaerobacterium thermosaccharolyticum</i> D120-70. <i>FEBS Journal</i> , 2000, 267, 5482-5492.	0.2	27
83	Synthesis and binding to plant lectins of sulfur-containing analogues of ¹² C ₁ ,3 [±] GalNAc (T-antigen). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1369-1371.	2.2	5
84	A ¹³ C-sugar-coated carbene precursor: a single crystal X-ray diffraction and NMR study. <i>Tetrahedron Letters</i> , 2000, 41, 5663-5667.	1.4	16
85	The diacetamidodideoxyuronic-acid-containing glycan chain of <i>Bacillus stearothermophilus</i> NRS 2004/3a represents the secondary cell-wall polymer of wild-type <i>B. stearothermophilus</i> strains. <i>Microbiology (United Kingdom)</i> , 1999, 145, 1575-1583.	1.8	58
86	Characterization of stationary phases for gas chromatography by ²⁹ Si NMR spectroscopy. <i>Journal of Chromatography A</i> , 1999, 848, 251-260.	3.7	21
87	A Novel Approach to ¹² -(1 [±] 4)-Linked Thiodisaccharides Starting from Disulfide Sugars. <i>Monatshefte für Chemie</i> , 1999, 130, 1137-1145.	1.8	5
88	Total Synthesis of Chatancin. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2226-2228.	13.8	23
89	ENZYMES IN ORGANIC CHEMISTRY 7. EVALUATION OF HOMOCHIRAL t-BUTYL(PHENYL)PHOSPHINOTHIOIC ACID FOR THE DETERMINATION OF ENANTIOMERIC EXCESSES AND ABSOLUTE CONFIGURATIONS OF ¹ ±-SUBSTITUTED PHOSPHONATES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1998, 140, 79-93.	1.6	25
90	NMR Shieldings in Benzoyl and 2-Hydroxybenzoyl Compounds. Experimental versus GIAO Calculated Data. <i>Journal of Physical Chemistry A</i> , 1997, 101, 9610-9617.	2.5	54

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91	Galactosylation by use of β -galactosidase: Enzymatic syntheses of disaccharide nucleosides. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1703-1710.	1.8	23
92	Enzymes in Organic Chemistry; Part 3: Enantioselective Hydrolysis of 1-Acyloxyalkylphosphonates by Lipase from <i>Aspergillus niger</i> (Lipase AP 6). <i>Synthesis</i> , 1995, 1995, 1267-1272.	2.3	45
93	Galactosylation by use of β -galactosidase: Chemo-enzymatic syntheses of di- and trisaccharides. <i>Tetrahedron</i> , 1994, 50, 10407-10418.	1.9	15
94	Synthesis and NMR Spectroscopic Investigation of a Macrocyclic Diphosphine Ligand and its nickel(II) and palladium(II) complexes. <i>Helvetica Chimica Acta</i> , 1994, 77, 409-418.	1.6	19
95	^{17}O -NMR-spectroscopy as a tool for stereochemical analysis – Application to a diterpene-derivative. <i>Monatshefte für Chemie</i> , 1993, 124, 71-75.	1.8	6
96	Elucidation of the constitution of a heterocyclic rearrangement product by means of ^{17}O -NMR-spectroscopy. <i>Monatshefte für Chemie</i> , 1993, 124, 1195-1200.	1.8	3
97	Sulfur containing cinnamides with antifungal activity from <i>Glycosmis cyanocarpa</i> . <i>Tetrahedron</i> , 1992, 48, 1209-1218.	1.9	48
98	Biosynthesis of natural products with a phosphorus-carbon bond. 7. Synthesis of [1,1- $^{2}\text{H}_2$]-, [2,2- $^{2}\text{H}_2$]-, (R)- and (S)-[1- $^{2}\text{H}_1$](2-hydroxyethyl)phosphonic acid and (R,S)-[1- $^{2}\text{H}_1$](1,2-dihydroxyethyl)phosphonic acid and incorporation studies into fosfomycin in <i>Streptomyces fradiae</i> . <i>Journal of Organic Chemistry</i> , 1991, 56, 2364-2370.	3.2	63
99	Minor cucurbitacin glycosides from <i>Picrorhiza kurroa</i> . <i>Phytochemistry</i> , 1990, 29, 1633-1637.	2.9	35
100	Targeting Gut Bacteria Using Inulin-Conjugated Mesoporous Silica Nanoparticles. <i>Advanced Materials Interfaces</i> , 0, , 2102558.	3.7	4