

Hanspeter Kaehlig

List of Publications by Year in descending order

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100
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2,164
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218677

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102
docs citations

102
times ranked

2329
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Ribose 2 ⁻ -Labeling: A Simple Tool for the Characterization of RNA Secondary Structure Equilibria by 19F NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 11558-11559.	13.7	74
4	A General Approach for the Identification of Site-Specific RNA Binders by 19F NMR Spectroscopy: Proof of Concept. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3450-3453.	13.8	69
5	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
6	Biosynthesis of natural products with a phosphorus-carbon bond. 7. Synthesis of [1,1-2H ₂]-, [2,2-2H ₂]-, (R)- and (S)-[1-2H ₁](2-hydroxyethyl)phosphonic acid and (R,S)-[1-2H 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
7	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
8	Combination of Bioautography with HPTLC-MS/NMR: A Fast Identification of Acetylcholinesterase Inhibitors from <i>Galbanum</i> . <i>Phytochemical Analysis</i> , 2013, 24, 395-400.	2.4	59
9	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
10	Macrocyclization via Allyl Transfer: Total Synthesis of Laulimalide. <i>Journal of the American Chemical Society</i> , 2001, 123, 10764-10765.	13.7	57
11	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
12	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
13	Waste-Derived Low-Cost Mycelium Nanopapers with Tunable Mechanical and Surface Properties. <i>Biomacromolecules</i> , 2019, 20, 3513-3523.	5.4	51
14	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
15	Sulfur containing cinnamides with antifungal activity from <i>glycosmis cyanocarpa</i> . <i>Tetrahedron</i> , 1992, 48, 1209-1218.	1.9	48
16	A Toolbox for the Synthesis of Multifunctionalized Mesoporous Silica Nanoparticles for Biomedical Applications. <i>ACS Omega</i> , 2018, 3, 17496-17510.	3.5	48
17	Synthesis of the C1-C13 Fragment of Kendomycin: Atropisomerism around a Aryl Glycosidic Bond. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3186-3188.	13.8	46
18	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

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19	Minor cucurbitacin glycosides from <i>Picrorhiza kurrooa</i> . <i>Phytochemistry</i> , 1990, 29, 1633-1637.	2.9	35
20	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
21	Understanding Selectivity of Mesoporous Silica-Grafted Diglycolamide-Type Ligands in the Solid-Phase Extraction of Rare Earths. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57003-57016.	8.0	34
22	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
23	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
24	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
25	On the importance of the linking chemistry for the PEGylation of mesoporous silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 453-461.	9.4	29
26	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
27	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
28	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
29	ENZYMES IN ORGANIC CHEMISTRY 7. EVALUATION OF HOMOCHIRAL <i>t</i> -BUTYL(PHENYL)PHOSPHINOTHIOIC ACID FOR THE DETERMINATION OF ENANTIOMERIC EXCESSES AND ABSOLUTE CONFIGURATIONS OF $\hat{\pm}$ -SUBSTITUTED PHOSPHONATES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1998, 140, 79-93.	1.6	25
30	N-Acetylmuramic Acid as Capping Element of $\hat{\pm}$ -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
31	Random coil shifts of posttranslationally modified amino acids. <i>Journal of Biomolecular NMR</i> , 2019, 73, 587-599.	2.8	24
32	Galactosylation by use of $\hat{2}$ -galactosidase: Enzymatic syntheses of disaccharide nucleosides. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1703-1710.	1.8	23
33	Total Synthesis of Chatancin. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2226-2228.	13.8	23
34	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
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	Compounds from Gum Ammoniacum with Acetylcholinesterase Inhibitory Activity. <i>Scientia Pharmaceutica</i> , 2013, 81, 793-805.	2.0	22

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37	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
38	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
39	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
40	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
41	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
42	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
43	Two new α -onium-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
44	A β -sugar-coated carbene precursor: a single crystal X-ray diffraction and NMR study. <i>Tetrahedron Letters</i> , 2000, 41, 5663-5667.	1.4	16
45	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
46	Galactosylation by use of β -galactosidase: Chemo-enzymatic syntheses of di- and trisaccharides. <i>Tetrahedron</i> , 1994, 50, 10407-10418.	1.9	15
47	A 50% n-octylmethyl, 50% diphenyl-polysiloxane as stationary phase with unique selectivity for gas chromatography. <i>Analyst</i> , The, 2003, 128, 1238-1242.	3.5	15
48	Aiming for Branimycin: Synthesis of the cis-Decalin Core. <i>Synlett</i> , 2005, 2005, 2227-2229.	1.8	14
49	Tetramethyl-p-silphenylene ether-dimethyl, diphenylsiloxane copolymers as stationary phases in gas chromatography. <i>Journal of Chromatography A</i> , 2004, 1042, 147-154.	3.7	13
50	Lupinalbin A as the most potent estrogen receptor β - 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
51	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
52	A trifluoropropyl-containing silphenylene-siloxane terpolymer for high temperature gas chromatography. <i>Journal of Separation Science</i> , 2003, 26, 1436-1442.	2.5	12
53	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
54	Synthesis of 5-(Fluorophenyl)tocopherols as Novel Dioxin Receptor Antagonists. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2450-2457.	2.4	12

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55	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
56	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
57	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
58	Antiplasmodial activity of triterpenes isolated from the methanolic leaf extract of <i>Combretum racemosum</i> P. Beauv. <i>Journal of Ethnopharmacology</i> , 2020, 247, 112203.	4.1	10
59	Evaporation-Induced Self-Assembly of Small Peptide-Conjugated Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22700-22705.	13.8	10
60	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
61	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
62	Ovalbumin Epitope SIINFEKL Self-Assembles into a Supramolecular Hydrogel. <i>Scientific Reports</i> , 2019, 9, 2696.	3.3	9
63	Characterization of siloxane copolymers by solution ¹⁷ O NMR spectroscopy. <i>Polymer</i> , 2005, 46, 6447-6454.	3.8	8
64	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
65	Analysis of Carbohydrate Mixtures by Diffusion Difference NMR Spectroscopy. <i>Monatshefte für Chemie</i> , 2002, 133, 589-598.	1.8	7
66	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
67	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
68	Two Unusual Methylidenecyclopropane Glucosides from <i>Metaxya rostrata</i> C. Presl. <i>Helvetica Chimica Acta</i> , 2012, 95, 1531-1537.	1.6	7
69	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
70	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
71	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
72	Apparently No Sedative Benzoflavone Moiety in <i>Passiflorae Herba</i> . <i>Planta Medica</i> , 2010, 76, 662-664.	1.3	6

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73	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
74	A Novel Approach to β -(1 \rightarrow 4)-Linked Thiodisaccharides Starting from Disulfide Sugars. <i>Monatshefte für Chemie</i> , 1999, 130, 1137-1145.	1.8	5
75	Synthesis and binding to plant lectins of sulfur-containing analogues of β Gal1,3 \pm GalNAc (T-antigen). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1369-1371.	2.2	5
76	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
77	Synthesis of 3-deoxy-2-uloses via the indium-mediated allylation reaction. <i>Monatshefte für Chemie</i> , 2019, 150, 849-860.	1.8	5
78	Isolation and Characterization of Acetylcholinesterase Inhibitors from <i>Piper longum</i> and Binding Mode Predictions. <i>Planta Medica</i> , 2020, 86, 1118-1124.	1.3	5
79	A Combination of Structural, Genetic, Phenotypic and Enzymatic Analyses Reveals the Importance of a Predicted Fucosyltransferase to Protein O-Glycosylation in the Bacteroidetes. <i>Biomolecules</i> , 2021, 11, 1795.	4.0	5
80	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
81	Acetylated Furostene Glycosides from <i>Solanum gilo</i> Fruits. <i>Planta Medica</i> , 2017, 83, 1227-1232.	1.3	4
82	Irreversible Adsorption of Serum Proteins onto Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2021, 38, .	2.3	4
83	Targeting Gut Bacteria Using Inulin- β -Conjugated Mesoporous Silica Nanoparticles. <i>Advanced Materials Interfaces</i> , 0, , 2102558.	3.7	4
84	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
85	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
86	New flavonoids from the underground parts of <i>Eriosema laurentii</i> . <i>Phytochemistry Letters</i> , 2016, 18, 144-149.	1.2	3
87	^{19}F multiple-quantum coherence NMR spectroscopy for probing protein-ligand interactions. <i>RSC Advances</i> , 2018, 8, 40687-40692.	3.6	3
88	Facile Synthesis of Spatially-Functionalized Core-Shell Nanocatalysts with 3β Mesopore Structure. <i>ChemCatChem</i> , 2021, 13, 1140-1145.	3.7	3
89	Stereospecific Response of E/Z-isomers of N-Nitrososarcosine in LC-ESI-MS/MS. <i>Journal of Chromatographic Science</i> , 2021, 59, 813-822.	1.4	3
90	The Structural Difference of Isobaric N-Glycans of Two Microalgae Samples Reveals Taxonomic Distance. <i>Frontiers in Plant Science</i> , 2021, 12, 643249.	3.6	3

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91	17O NMR studies on (E)-3-arylidenechromanone and -flavanone derivatives. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 463-465.	1.9	2
92	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
93	Indium-mediated C-allylation of melibiose. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2458-2464.	2.2	2
94	Indium-mediated allylation of disaccharides. <i>Carbohydrate Research</i> , 2020, 498, 108170.	2.3	1
95	Approaches to new derivatives of cellulose as designed pharmaceutical excipients. <i>Hemijaska Industrija</i> , 2003, 57, 622-625.	0.7	1
96	Targeting Gut Bacteria Using Inulin-Conjugated Mesoporous Silica Nanoparticles (<i>Adv. Mater.</i>) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 5	3.7	1
97	TANNylation of mesoporous silica nanoparticles and bioactivity profiling in intestinal cells. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 962-973.	9.4	1
98	Methylated Xanthonones from the Rootlets of <i>Metaxya rostrata</i> Display Cytotoxic Activity in Colorectal Cancer Cells. <i>Molecules</i> , 2020, 25, 4449.	3.8	0
99	Evaporation-Induced Self-Assembly of Small Peptide-Conjugated Silica Nanoparticles. <i>Angewandte Chemie</i> , 2021, 133, 22882.	2.0	0
100	A Many-Faced Alkaloid: Polymorphism of (â€‘)-Monophyllidin. <i>Molecules</i> , 2020, 25, 449.	3.8	0