

Stefan Berger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6285437/publications.pdf>

Version: 2024-02-01

197
papers

5,475
citations

101496

36
h-index

114418

63
g-index

261
all docs

261
docs citations

261
times ranked

4321
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of the ¹ H-, ¹³ C-, and ¹⁵ N-NMR data of chlorophyll <i>a</i> and chlorophyll <i>b</i> guided by quantum chemical calculation. Journal of Physical Organic Chemistry, 2018, 31, e3802.	0.9	2
2	A quarter of a century of SERF: The progress of an NMR pulse sequence and its application. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 108, 74-114.	3.9	12
3	The Flavin-Tryptophan Dyad F10T as a Cryptochrome Model Compound: Synthesis and Photochemistry. ChemPhotoChem, 2017, 1, 12-16.	1.5	8
4	Detailed NOESY/T-ROESY analysis as an effective method for eliminating spin diffusion from 2D NOE spectra of small flexible molecules. Journal of Molecular Structure, 2016, 1104, 63-69.	1.8	30
5	Scharf, schÄrfer, Capsaicin!. Chemie in Unserer Zeit, 2015, 49, 114-122.	0.1	4
6	KarminsÄure. Chemie in Unserer Zeit, 2013, 47, 222-228.	0.1	7
7	Study of an Organogelator by Diffusion-Ordered NMR Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 5788-5791.	1.2	4
8	Spatial structure of cyclosporin A and insight into its flexibility. Journal of Molecular Structure, 2013, 1036, 298-304.	1.8	32
9	Cantharidin. Chemie in Unserer Zeit, 2013, 47, 310-316.	0.1	3
10	Ionic liquid crystals as alignment medium to measure residual dipolar couplings for carbohydrates. Carbohydrate Research, 2013, 377, 44-47.	1.1	10
11	A NMR method to determine the anomeric specificity of glucose phosphorylation. Bioorganic and Medicinal Chemistry, 2013, 21, 2710-2714.	1.4	5
12	Sinensetin. Chemie in Unserer Zeit, 2013, 47, 158-163.	0.1	4
13	Experimental boundaries of the quantum rotor induced polarization (QRIP) in liquid state NMR. Magnetic Resonance in Chemistry, 2013, 51, 815-820.	1.1	16
14	Kokain. Chemie in Unserer Zeit, 2013, 47, 56-60.	0.1	3
15	Campher. Chemie in Unserer Zeit, 2013, 47, 102-107.	0.1	7
16	Structural Characterization by NMR of a Double Phosphorylated Chimeric Peptide Vaccine for Treatment of Alzheimer's Disease. Molecules, 2013, 18, 4929-4941.	1.7	0
17	Saturation Transfer Difference NMR Studies of the Interaction of the Protein Kinase CK2 with Peptides. Protein and Peptide Letters, 2012, 19, 934-939.	0.4	2
18	Polysocyanides As a New Alignment Medium To Measure Residual Dipolar Couplings for Small Organic Molecules. Organic Letters, 2012, 14, 241-243.	2.4	36

#	ARTICLE	IF	CITATIONS
19	Transfer of the Haupt-hyperpolarization to neighbor spins. <i>Journal of Magnetic Resonance</i> , 2012, 223, 148-150.	1.2	16
20	Polyacetylenes as a new alignment medium to measure residual dipolar couplings for chiral organic molecules. <i>Tetrahedron Letters</i> , 2012, 53, 6439-6442.	0.7	27
21	Influence of lithium cations on prolyl peptide bonds. <i>Journal of Peptide Science</i> , 2012, 18, 400-404.	0.8	6
22	Aligned deuteriochloroform in cross-linked polystyrene as a new sample for adjusting the magic angle in ^1H -MAS. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 5-6.	1.1	0
23	Unexpected multiplet patterns induced by the Haupt-effect. <i>Journal of Magnetic Resonance</i> , 2012, 219, 1-3.	1.2	39
24	Implementation of two-qubit and three-qubit quantum computers using liquid-state nuclear magnetic resonance. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2012, 40A, 25-37.	0.2	5
25	NH exchange in point mutants of human ubiquitin. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 154-160.	3.6	1
26	Hairpin conformation of an 11-mer peptide. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3497-3501.	1.4	3
27	^{13}C -NMR detection of STD spectra. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 91-93.	1.1	10
28	Spatial structure of peptides determined by residual dipolar couplings analysis. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 57-62.	1.1	16
29	Theory and Application of NMR Diffusion Studies. , 2008, , 135-143.		3
30	Dynamic NMR study of the oxaphosphetane complexation with lithium during the Wittig reaction. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 1052-1058.	1.0	3
31	NMR study of the gelation of a designed gelator. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 545-549.	1.1	9
32	The Use of NMR Chemical Shifts to Predict Reaction Pathways: Methanol Formation from Oxazolidinones. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1632-1634.	1.2	6
33	Precise structural analysis of α -helical poly(L-alanine) by quantum chemical calculation. <i>Journal of Molecular Structure</i> , 2008, 889, 104-111.	1.8	9
34	The 5S Subunit of Transcarboxylase Interacts with Free Biotin as Studied by Transferred-NOESY and Saturation Transfer Difference NMR. <i>Protein and Peptide Letters</i> , 2008, 15, 624-629.	0.4	2
35	New and Easy Strategy for Cloning, Expression, Purification, and Characterization of the 5S Subunit of Transcarboxylase from <i>Propionibacterium f. shermanii</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2007, 37, 13-26.	1.0	3
36	^1H -NMR thermometer suitable for cryoprobes. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 175-178.	1.1	236

#	ARTICLE	IF	CITATIONS
37	New possible ionic structures in Wittig reaction: Analysis of stability and rotation barriers by semiempirical PM3 method. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 1782-1793.	1.0	4
38	A 2D NMR method to study peptide phosphorylation. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 2161-2165.	1.9	4
39	Residue-specific NH exchange rates studied by NMR diffusion experiments. <i>Journal of Magnetic Resonance</i> , 2007, 187, 97-104.	1.2	48
40	Diffusion NMR as a New Method for the Determination of the Gel Point of Gelatin. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15853-15857.	1.2	33
41	A novel liquid crystalline system for partial alignment of polar organic molecules. <i>Journal of Magnetic Resonance</i> , 2006, 179, 58-63.	1.2	27
42	Electronic Properties of Furyl Substituents at Phosphorus and Their Influence on ^{31}P NMR Chemical Shifts. <i>Journal of the American Chemical Society</i> , 2006, 128, 8434-8440.	6.6	32
43	Acquisition Regime for High-Resolution Heteronuclear 2D NMR Spectra. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7821-7824.	7.2	17
44	Comparative Study of the Phospha- and Arsa-Wittig Reaction Using ^1H , ^{75}As and ^{17}O NMR Spectroscopy. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4934-4937.	1.2	10
45	Selective Solvation of Cyclodextrins by Small Molecules: A NOE Study. <i>ChemPhysChem</i> , 2006, 7, 2074-2076.	1.0	13
46	Can one gain spectral information plus time by 3D HMBC via back-projection?. <i>Magnetic Resonance in Chemistry</i> , 2006, 44, 455-458.	1.1	5
47	Intermolecular interaction as investigated by NOE and diffusion studies. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2005, 46, 159-196.	3.9	235
48	Wittig reactions of moderate ylides with heteroaryl substituents at the phosphorus atom. <i>Tetrahedron</i> , 2005, 61, 6764-6771.	1.0	15
49	Advanced approaches for the characterization of a de novo designed antiparallel coiled coil peptide. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1189.	1.5	24
50	Gelation Studies, 3. <i>Macromolecular Rapid Communications</i> , 2005, 26, 548-553.	2.0	18
51	Saturation transfer and chemical exchange measurements of the stereochemical drift occurring during the Wittig reaction. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 451-456.	1.1	3
52	Diffusion Measurements vs. Chemical Shift Titration for Determination of Association Constants on the Example of Camphor-Cyclodextrin Complexes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 53, 163-170.	1.6	34
53	A Mild Synthesis of ^{13}C -Methanol. <i>Synlett</i> , 2005, 2005, 2522-2524.	1.0	0
54	Unambiguous Resolution of $\hat{\text{C}}^{\pm}$ -Methyl and $\hat{\text{C}}^{\pm}$ -Methylene Protons in ^1H NMR Spectra of Heavy Petroleum Fractions. <i>Energy & Fuels</i> , 2005, 19, 508-511.	2.5	12

#	ARTICLE	IF	CITATIONS
55	Saturation Transfer Difference Measurements with SU(VAR) ³ and S-adenosyl-L-methionine. <i>Biochemistry</i> , 2005, 44, 6208-6213.	1.2	8
56	Ag NMR as a Tool for Mechanistic Studies of Ag-Catalyzed Reactions: Evidence for in Situ Formation of Alkyn-1-yl Silver from Alkynes and Silver Salts. <i>Journal of Organic Chemistry</i> , 2005, 70, 9185-9190.	1.7	98
57	Hexafluoroacetone as a Protecting and Activating Reagent: Synthesis of New Types of Fluoro-Substituted α -Amino, α -Hydroxy and α -Mercapto Acids. <i>Synthesis</i> , 2004, 2004, 1821-1829.	1.2	6
58	The use of a lyotropic liquid-crystalline medium and residual dipolar coupling constants for determination of the spatial structure of thiacalix[4]arenes in solutions. <i>Russian Chemical Bulletin</i> , 2004, 53, 1466-1470.	0.4	10
59	The pH-dependence of preferential solvation as studied by intermolecular homo- and heteronuclear NOE measurements of adenosine in water/trifluoroethanol mixtures. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1555-1560.	1.9	13
60	Flavonoid binding to a multi-drug-resistance transporter protein: an STD-NMR study. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 1045-9.	1.9	35
61	Triphenylphosphane complex formation with hexyn-1-yl silver. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 831-834.	1.1	17
62	Magnetic field dependence of residual dipolar couplings measured in dilute liquid crystalline media. <i>Journal of Magnetic Resonance</i> , 2004, 170, 191-198.	1.2	7
63	Determination of the binding specificity of the 12S subunit of the transcarboxylase by saturation transfer difference NMR. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1777.	1.5	10
64	Wer profitiert von attraktiveren Fachzeitschriften?. <i>Nachrichten Aus Der Chemie</i> , 2004, 52, 786-787.	0.0	0
65	A selective pulse sequence for the determination of long-range C,H spin coupling constants. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 431-434.	1.1	15
66	Richtlinien für die Wiedergabe von Pulssequenzen für die NMR-Spektroskopie in Lösung. <i>Angewandte Chemie</i> , 2003, 115, 3293-3302.	1.6	0
67	Buchbesprechung: Spin Dynamics Basics of Nuclear Magnetic Resonance. Von Malcolm H. Levitt. <i>Angewandte Chemie</i> , 2003, 115, 1829-1830.	1.6	0
68	Accurate determination of small one-bond heteronuclear residual dipolar couplings by F1 coupled HSQC modified with a G-BIRD(r) module. <i>Journal of Magnetic Resonance</i> , 2003, 163, 340-346.	1.2	56
69	Probing the Diastereotopicity of Methylene Protons in Strychnine Using Residual Dipolar Couplings. <i>Organic Letters</i> , 2003, 5, 705-708.	2.4	152
70	Site-specific solvation determined by intermolecular nuclear Overhauser effect measurements and molecular dynamics. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1049-1052.	1.5	20
71	Solvation Phenomena of a Tetrapeptide in Water/Trifluoroethanol and Water/Ethanol Mixtures: A Diffusion NMR, Intermolecular NOE, and Molecular Dynamics Study. <i>Journal of the American Chemical Society</i> , 2002, 124, 7737-7744.	6.6	172
72	NMR studies on the solution structure of a deletion mutant of the transcarboxylase biotin carrier subunit. <i>International Journal of Biological Macromolecules</i> , 2002, 30, 233-242.	3.6	5

#	ARTICLE	IF	CITATIONS
73	Evidence of Complete Hydrophobic Coating of Bombesin by Trifluoroethanol in Aqueous Solution: An NMR Spectroscopic and Molecular Dynamics Study. <i>Chemistry - A European Journal</i> , 2002, 8, 1663-1669.	1.7	86
74	Characterization of Reactive Intermediates by Diffusion-Ordered NMR Spectroscopy: A Snapshot of the Reaction of $^{13}\text{CO}_2$ with $[\text{Cp}_2\text{Zr}(\text{Cl})\text{H}]$. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 107-109.	7.2	72
75	A Wittig Reaction with 2-Furyl Substituents at the Phosphorus Atom: Improved (Z) Selectivity and Isolation of a Stable Oxaphosphetane Intermediate. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 1143-1148.	1.2	38
76	HR-DOSY as a new tool for the study of chemical exchange phenomena. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, S122-S127.	1.1	63
77	High-Resolution DOSY NMR with Spins in Different Chemical Surroundings: Influence of Particle Exchange. <i>Journal of Magnetic Resonance</i> , 2002, 157, 124-131.	1.2	73
78	First Spectroscopical Evidence of a Dioxomethylene Intermediate in the Reaction of CO_2 with $\text{Cp}_2\text{Zr}(\text{H})\text{Cl}$: A ^{13}C NMR Study. <i>Organometallics</i> , 2001, 20, 1703-1704.	1.1	32
79	Preferential solvation of a tetrapeptide by trifluoroethanol as studied by intermolecular NOE. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 369-373.	1.1	50
80	DOSY studies of hydrogen bond association: tetramethylsilane as a reference compound for diffusion studies. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, S142-S148.	1.1	153
81	Mechanism of 1,6-Addition Reactions of Organocuprates: Detailed NMR Spectroscopic Study of a Cuprate-Enyne π Complex. <i>Chemistry - A European Journal</i> , 2001, 7, 2671-2675.	1.7	28
82	Geometric Structure of 2-Phenyl-1,3-dithia-5,6-benzocycloheptene 1-Oxide. <i>Russian Journal of General Chemistry</i> , 2001, 71, 1266-1268.	0.3	1
83	Experimental and quantum chemical investigation of the stereochemical dependence of spin coupling constants in symmetrical strained alkenes. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 566-569.	1.1	7
84	Proton Detection of Carbon-Carbon Spin Coupling Constants in Symmetrical Molecules. <i>Journal of Magnetic Resonance</i> , 2000, 142, 136-138.	1.2	5
85	The Wittig Reaction with Pyridylphosphoranes. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2601-2604.	1.2	16
86	Studies of the complexation of sugars by diffusion-ordered NMR spectroscopy. <i>Carbohydrate Research</i> , 2000, 329, 1-5.	1.1	39
87	Analysis of hydrocarbon mixtures by diffusion-ordered NMR spectroscopy. <i>Fuel</i> , 2000, 79, 1347-1351.	3.4	50
88	The qualitative probing of hydrogen bond strength by diffusion-ordered NMR spectroscopy. <i>Tetrahedron Letters</i> , 2000, 41, 7181-7185.	0.7	85
89	Pulsed field gradient (PFG) NMR spectroscopy: An effective tool for the analysis of mixtures of lubricating oil components. <i>TriboTest Journal: Tribology and Lubrication in Practice</i> , 2000, 6, 323-336.	0.7	9
90	Gradient Selected Constant Time Cosy. <i>Spectroscopy Letters</i> , 2000, 33, 1-8.	0.5	4

#	ARTICLE	IF	CITATIONS
91	NMR Spectroscopic Structural Determination of Organozinc Reagents: Evidence for σ -Highly Coordinated ϵ -Zincates. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3070-3072.	7.2	28
92	Expression and Biotinylation of a Mutant of the Transcarboxylase Carrier Protein from <i>Propionis hermanii</i> . <i>Protein Expression and Purification</i> , 1999, 17, 123-127.	0.6	5
93	Observation of a Betaine Lithium Salt Adduct During the Course of a Wittig Reaction. , 1998, 1998, 1085-1087.		17
94	The Mechanism of Ozonolysis Revisited by ^{17}O -NMR Spectroscopy. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 1625-1627.	1.2	66
95	ACCORD-HMBC: a superior technique for structural elucidation. <i>Magnetic Resonance in Chemistry</i> , 1998, 36, S44-S46.	1.1	75
96	Scalar and Dipolar Coupling Studies of Organocuprates. <i>Journal of the American Chemical Society</i> , 1998, 120, 1333-1334.	6.6	50
97	Observation of a Betaine Lithium Salt Adduct During the Course of a Wittig Reaction. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 1085-1087.	1.2	1
98	NMR techniques employing selective radiofrequency pulses in combination with pulsed field gradients. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1997, 30, 137-156.	3.9	45
99	Carbene Analogues of Boron Stabilized by Neighboring $\text{B}^{\text{R}}\text{B}$ Moieties: Doubly Aromatic Bishomotriboriranides. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1469-1472.	4.4	50
100	$\hat{\text{I}}^2$ -Silyl Diorganozinc Compounds $\hat{\text{A}}$ A New Class of Useful Zinc Reagents. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1496-1498.	4.4	103
101	ISOTOPIC PERTURBATION OF RESONANCE? A TERM OF CONTROVERSY. , 1997, 10, 187-189.		3
102	Heteronuclear Edited Gradient Selected 1D and 2D NOE Spectra: Determination of the NOE Effect between Chemically Equivalent Protons. , 1997, 35, 199-202.		33
103	Nachweis der enzymkatalysierten Bildung von Carboxybiotin durch Messung von ^{15}N , ^{13}C und ^{13}C , ^{13}C Spin-Spin-Kopplungen. <i>Angewandte Chemie</i> , 1996, 108, 2259-2261.		3
104	Two-Dimensional Correlation Spectroscopy by Scalar Couplings: A Walk Through the Periodic Table. , 1996, 34, 4-13.		22
105	$\hat{\text{I}}^{\pm}/\hat{\text{I}}^2$ -ge-SELINCOR-TOCSY, a New Method for the Determination of H,C Coupling Constants. <i>Journal of Magnetic Resonance Series A</i> , 1996, 119, 260-263.	1.6	23
106	Gradient-Selected NOESY $\hat{\text{A}}$ A Fourfold Reduction of the Measurement Time for the NOESY Experiment. <i>Journal of Magnetic Resonance Series A</i> , 1996, 123, 119-121.	1.6	196
107	Enzyme-Catalyzed Formation of Carboxybiotin as Proved by the Measurement of ^{15}N , ^{13}C and ^{13}C , ^{13}C Spin-Spin Coupling. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2132-2133.	4.4	9
108	Heterobicyclo[1.1.1]pentane mit zwei Boratomen als Elektronenmangelzentren. <i>Angewandte Chemie</i> , 1995, 107, 728-731.	1.6	4

#	ARTICLE	IF	CITATIONS
109	An efficient synthesis of 1-[¹³ C]-bromobenzene. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1995, 36, 503-507.	0.5	2
110	Gradient-enhanced SELINCOR for selective excitation in a ¹³ C-resolved COSY experiment. <i>Magnetic Resonance in Chemistry</i> , 1995, 33, 144-148.	1.1	17
111	Locating the Position of Lithium in Solution by Combined ¹³ C, ⁶ Li and ¹ H, ⁶ Li HOESY Measurements. <i>Chemische Berichte</i> , 1995, 128, 799-802.	0.2	14
112	The ¹³ C Chemical Shift of the <i>ipso</i> Carbon Atom in Phenyllithium. <i>Chemische Berichte</i> , 1995, 128, 1183-1186.	0.2	29
113	Heteroatom-Substituted Bicyclo[1.1.1]pentanes with Two Boron Atoms as Electron-Deficient Centers. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 657-660.	4.4	8
114	SERF, a New Method for H,H Spin-Coupling Measurement in Organic Chemistry. <i>Journal of Magnetic Resonance Series A</i> , 1995, 113, 114-116.	1.6	86
115	Application of Pulsed Field Gradients in an Improved Selective TOCSY Experiment. <i>Journal of Magnetic Resonance Series A</i> , 1995, 113, 257-259.	1.6	32
116	Two-dimensional ¹³ C/ ¹⁹ F NMR correlation spectroscopy. <i>Journal of Fluorine Chemistry</i> , 1995, 72, 117-119.	0.9	22
117	Complete proton assignment in acetylcholesterol using ge-SELINCOR-TOCSY. <i>Tetrahedron</i> , 1995, 51, 3521-3524.	1.0	16
118	Application of a Gradient Enhanced Measurement for Carbon-Carbon Coupling Constants (GRECCO) to a Conformational Study of Geraniol and (E,E)-Farnesol. <i>Journal of the American Chemical Society</i> , 1995, 117, 9547-9550.	6.6	20
119	NMR Data of Methyltitanium Trichloride and Related Organometallic Compounds. A Combined Experimental and Theoretical Study of MenXCl _{4-n} (n = 0-4; X = C, Si, Sn, Pb, Ti). <i>Journal of the American Chemical Society</i> , 1995, 117, 3820-3829.	6.6	70
120	DIFFICULT ASSIGNMENT IN THE NMR SPECTRA OF ORGANOLEAD COMPOUNDS ARE POSSIBLE BY A 2D ¹³ C, ²⁰⁷ Pb CORRELATION. <i>Main Group Metal Chemistry</i> , 1994, 17, .	0.6	4
121	SPIN LOCK VERSUS INEPT AND DEPT POLARIZATION TRANSFER FOR ²⁹ Si NMR SPECTROSCOPY. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 91, 213-218.	0.8	2
122	Preparation and reactivity of chiral ^η 2-amido-alkylzinc iodides and related configurationally stable zinc organometallics. <i>Tetrahedron</i> , 1994, 50, 2415-2432.	1.0	105
123	Two-dimensional ¹³ C, ¹¹ B correlation spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 1994, 32, 436-438.	1.1	11
124	The Redox Pair Vitamin E and Vitamin C, A ¹³ C NMR Study. <i>Liebigs Annalen Der Chemie</i> , 1994, 1994, 1239-1241.	0.8	11
125	Two-dimensional ¹³ C, heteroelement correlation spectroscopy. <i>Concepts in Magnetic Resonance</i> , 1994, 6, 293-306.	1.3	12
126	Two-dimensional ¹³ C, ¹⁹⁹ Hg correlation: A new NMR method for characterisation of organomercury compounds. <i>Journal of Organometallic Chemistry</i> , 1994, 471, 35-38.	0.8	7

#	ARTICLE	IF	CITATIONS
127	INEPT-HMQC, a New Pulse Sequence for ¹³ C, ²⁹ Si Correlation. Journal of Magnetic Resonance Series A, 1993, 101, 329-332.	1.6	14
128	SELTRIP: A Selective Version of a 3D Correlation. Journal of Magnetic Resonance Series A, 1993, 105, 95-97.	1.6	3
129	A Dynamic Equilibrium of Oxaphosphetanes. Chemische Berichte, 1993, 126, 2397-2401.	0.2	18
130	3D H, C, P correlation: A new application of 3D NMR spectroscopy. Magnetic Resonance in Chemistry, 1993, 31, 1021-1023.	1.1	16
131	Alepposides, Cardenolide Oligoglycosides from Adonis aleppica. Journal of Natural Products, 1993, 56, 67-75.	1.5	16
132	2D carbon-13, selenium-77 correlation, a new NMR method for organoselenium compounds leading to correction of structural assignments. Journal of Organic Chemistry, 1993, 58, 5475-5478.	1.7	21
133	Two-dimensional carbon-13-tin-119 correlation: a new NMR tool for organotin chemistry. Organometallics, 1992, 11, 3481-3483.	1.1	10
134	The iron-sulfur-cluster-containing l-serine dehydratase from Peptostreptococcus asaccharolyticus. Stereochemistry of the deamination of l-threonine. FEBS Journal, 1992, 205, 743-749.	0.2	21
135	Structural NMR Investigations on Allyllithium Compounds. Chemische Berichte, 1992, 125, 733-737.	0.2	15
136	Comparison of different 2D NMR techniques for ¹³ C, ³¹ P correlation. Magnetic Resonance in Chemistry, 1992, 30, 587-594.	1.1	19
137	Oxidation of Palmitoyl- and Benzoylascorbate. A ¹³ C-NMR Study. Liebigs Annalen Der Chemie, 1992, 1992, 1045-1048.	0.8	2
138	Synthesis of [¹⁵ N]-biotin. Journal of Labelled Compounds and Radiopharmaceuticals, 1992, 31, 1065-1070.	0.5	5
139	One Dimensional and Two Dimensional NMR Spectra by Modern Pulse Techniques. Herausgegeben von K. Nakanishi. University Science Books, Mill Valley (USA), 1990. XII, 234 S., Broschur \$ 29.95. ISBN 0-935702-63-6. Angewandte Chemie, 1992, 104, 108-109.	1.6	1
140	Nuclear magnetic relaxation studies of the role of the metal ion in Mn ²⁺ -substituted aminoacylase I. FEBS Journal, 1990, 188, 175-180.	0.2	30
141	Synthesis of [¹³ C]biotin. Journal of Labelled Compounds and Radiopharmaceuticals, 1990, 28, 977-982.	0.5	8
142	Intrinsic deuterium isotope effects of deuteriated tert-butyl groups on the ¹³ C NMR spectra of aromatic compounds. Magnetic Resonance in Chemistry, 1990, 28, 437-442.	1.1	6
143	^{47/49} Ti NMR of some titanium compounds. Magnetic Resonance in Chemistry, 1990, 28, 559-560.	1.1	22
144	SELRESOLVE inverse and selective detection of long-range C,H spin coupling constants. Magnetic Resonance in Chemistry, 1990, 28, 994-997.	1.1	18

#	ARTICLE	IF	CITATIONS
145	¹³ C and ¹ H NMR chemical shifts of 2-substituted anthracenes. <i>Magnetic Resonance in Chemistry</i> , 1989, 27, 201-203.	1.1	13
146	Selective inverse correlation of ¹³ C and ¹ H NMR signals, an alternative to 2D NMR. <i>Journal of Magnetic Resonance</i> , 1989, 81, 561-564.	0.5	23
147	Search for ¹³ C equilibrium isotope effects in dicyclopentadienyltricarbonyliridium. <i>Journal of Organometallic Chemistry</i> , 1989, 367, 343-345.	0.8	1
148	The angular dependence of geminal deuterium isotope effects on carbon-13 NMR spectra in carbonyl compounds. <i>Journal of the American Chemical Society</i> , 1989, 111, 1240-1243.	6.6	15
149	Selektives INADEQUATE, ein Abschied von 2D-NMR?. <i>Angewandte Chemie</i> , 1988, 100, 1198-1199.	1.6	6
150	Deuterium isotope effects as a conformational probe in cyclic and acyclic ketones. <i>Magnetic Resonance in Chemistry</i> , 1988, 26, 327-333.	1.1	7
151	Selective INADEQUATE, a Farewell to 2D-NMR?. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1196-1197.	4.4	32
152	Structural revision of pregnane ester glycosides from condurango cortex and new compounds. <i>Phytochemistry</i> , 1988, 27, 1451-1458.	1.4	30
153	Stable germa- and stannaethenes. <i>Pure and Applied Chemistry</i> , 1987, 59, 1011-1014.	0.9	61
154	Correlation between deuterium isotope effects and ¹³ C-NMR chemical shifts in substituted benzenes. <i>Tetrahedron Letters</i> , 1987, 28, 1243-1246.	0.7	15
155	Deuterium Isotope Effects as a Probe for C=C Hyperconjugation. <i>Chemische Berichte</i> , 1987, 120, 1059-1062.	0.2	13
156	A Stable Stannaethene. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 546-548.	4.4	98
157	Structure and electronic nature of the benzaldehyde/boron trifluoride adduct. <i>Journal of the American Chemical Society</i> , 1986, 108, 2405-2408.	6.6	143
158	An increment system for deuterium isotope effects on ¹³ C chemical shifts of methylated benzenes. <i>Magnetic Resonance in Chemistry</i> , 1986, 24, 1073-1076.	1.1	14
159	The use of proton-coupled INADEQUATE to determine carbon-carbon spin coupling constants in symmetrical molecules. <i>Journal of Magnetic Resonance</i> , 1986, 66, 555-557.	0.5	11
160	Investigations to charge dependence of ¹³ C ¹³ C spin-spin coupling constants - aminobenzoic acids and their ionic species. <i>Tetrahedron</i> , 1986, 42, 2055-2062.	1.0	4
161	Iron complexes of phosphinine derivatives. <i>Organometallics</i> , 1985, 4, 1565-1572.	1.1	23
162	¹³ C ¹³ C spin-spin coupling matrix for 1- and 2-methylnaphthalene by the two-dimensional INADEQUATE method. Correlation with C-C bond orders. <i>Magnetic Resonance in Chemistry</i> , 1984, 22, 47-51.	0.7	25

#	ARTICLE	IF	CITATIONS
163	The deuterium isotope as a polar substituent?. Tetrahedron Letters, 1984, 25, 5019-5022.	0.7	10
164	¹³ C, ¹³ C spin-spin coupling constants as a probe for mesomeric structures: vitamin C. Journal of the Chemical Society Chemical Communications, 1984, , 1252-1253.	2.0	7
165	A ¹³ C ¹³ C spin-spin coupling matrix for azulene. Journal of Organic Chemistry, 1984, 49, 3725-3728.	1.7	15
166	Long range secondary ² H isotope effects in the ¹³ C-NMR spectra of naphthalene and azulene. Tetrahedron, 1983, 39, 1327-1329.	1.0	21
167	Extremely Long-Range ² H Isotope Effects on the Chemical Shifts in the ¹³ C-NMR Spectra of Compounds with Conjugated Double Bonds. Angewandte Chemie International Edition in English, 1983, 22, 321-322.	4.4	9
168	Extrem weitreichende ² H-Isotopeneffekte auf die chemischen Verschiebungen in ¹³ C-NMR-Spektren von Verbindungen mit konjugierten Doppelbindungen. Angewandte Chemie, 1983, 95, 321-322.	1.6	12
169	SIND ⁵ PHOSPHORINE CYCLISCHE PHOSPHONIUM-YLIDE ODER ⁶ -DELOKALISIERTE AROMATISCHE VERBINDUNGEN?. Phosphorous and Sulfur and the Related Elements, 1981, 10, 305-315.	0.2	13
170	Darstellung und Spektroskopische Charakterisierung von [4,7- ¹³ C ₂]-Azulen/ Preparation and Spectroscopic Characterisation of [4,7- ¹³ C ₂] Azulene. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1981, 36, 858-864.	0.3	9
171	The pH dependence of phenolphthalein. Tetrahedron, 1981, 37, 1607-1611.	1.0	31
172	DIE PHOSPHONIUM-YLIDSTRUKTUR DER TRICARBONYLCHROMKOMPLEXE VON ⁵ PHOSPHORINEN. Phosphorous and Sulfur and the Related Elements, 1981, 10, 295-303.	0.2	7
173	The conformational dependence of vicinal ¹³ C ¹³ C spin-spin coupling constants in alicyclic compounds. Magnetic Resonance in Chemistry, 1980, 14, 65-68.	0.7	34
174	¹³ C ¹³ C spin spin coupling constants in azulenes. Tetrahedron, 1980, 36, 1891-1893.	1.0	7
175	The conformational dependence of ¹⁵ N ¹³ C spin spin coupling constants. Tetrahedron, 1978, 34, 3133-3136.	1.0	14
176	¹³ C ¹³ C spin coupling constants in phenanthrene derivatives. Magnetic Resonance in Chemistry, 1978, 11, 303-307.	0.7	23
177	Carbon-13-carbon-13 spin coupling constants within the bicyclo[2.2.2]octane and bicyclo[3.2.1]octane systems. Journal of Organic Chemistry, 1978, 43, 209-212.	1.7	17
178	Nuclear Magnetic Relaxation: Recent Problems and Progress. Advances in Physical Organic Chemistry, 1978, 16, 239-265.	0.5	2
179	Steric hindrance in substituted dibenzofurans. Journal of the Chemical Society Perkin Transactions II, 1977, , 54.	0.9	9
180	Vitamin A ¹³ C magnetic resonance study. Tetrahedron, 1977, 33, 1587-1589.	1.0	47

#	ARTICLE	IF	CITATIONS
181	Two and three bond ^{13}C spin coupling constants in adamantane derivatives. Journal of the Chemical Society Chemical Communications, 1976, .	2.0	4
182	^{15}N ^{13}C coupling constants in ^{15}N labelled azaadamantane. Magnetic Resonance in Chemistry, 1976, 8, 438-438.	0.7	12
183	Zur Elektronenstoß-Induzierten Methylabspaltung aus Homoadamantan. Organic Mass Spectrometry, 1976, 11, 1313-1314.	1.3	1
184	The t-butyl group as sensor group of the ortho effect. Tetrahedron, 1976, 32, 2451-2455.	1.0	29
185	^{13}C Spin-Gitter-Relaxationszeiten und die Beweglichkeit gelöster organischer Moleküle. Angewandte Chemie, 1975, 87, 152-168.	1.6	31
186	Oxepine, III. Ein neuer Syntheseweg ausgehend von 2,5-Cyclohexadien-1,4-diolen. Chemische Berichte, 1975, 108, 3700-3720.	0.2	15
187	^{13}C Spin-Lattice Relaxation Times and the Mobility of Organic Molecules in Solution. Angewandte Chemie International Edition in English, 1975, 14, 144-159.	4.4	70
188	Determination of anisotropy of molecular motion with carbon-13 spin-lattice relaxation times. Journal of the American Chemical Society, 1975, 97, 1805-1808.	6.6	43
189	^{13}C long range spin-spin coupling constant in naphthalene derivatives. Journal of the Chemical Society Chemical Communications, 1975, , 423-424.	2.0	7
190	Zur ^{13}C -NMR-Spektroskopie von Oxepinen. Magnetic Resonance in Chemistry, 1974, 6, 78-84.	0.7	12
191	Nuclear magnetic resonance spectroscopy. Carbon-13-nitrogen-15 coupling constants as a conformational probe. Journal of the American Chemical Society, 1974, 96, 6757-6759.	6.6	31
192	Nuclear magnetic resonance spectroscopy. Carbon-13 T1 measurements of cycloalkanes. Journal of the American Chemical Society, 1974, 96, 4348-4349.	6.6	16
193	Carbon-13 magnetic resonance investigation of retinal isomers and related compounds. Journal of the American Chemical Society, 1974, 96, 7008-7014.	6.6	61
194	Zur Kenntnis des Chinoiden Zustandes: ^{13}C MR-Untersuchungen an Cyclohexadienonen. Magnetic Resonance in Chemistry, 1972, 4, 857-873.	0.7	22
195	NMR Spectroscopy of Alkanes. , 0, , 351-393.		1
196	Physical and chemical analysis of quinones. , 0, , 29-78.		5
197	Identification and determination of quinones. , 0, , 163-229.		5