

# Stefan Berger

## List of Publications by Year in descending order

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197  
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citations

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36  
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114418

63  
g-index

261  
all docs

261  
docs citations

261  
times ranked

4321  
citing authors

#	ARTICLE	IF	CITATIONS
1	$^1\text{H-NMR}$ thermometer suitable for cryoprobes. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 175-178.	1.1	236
2	Intermolecular interaction as investigated by NOE and diffusion studies. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2005, 46, 159-196.	3.9	235
3	Gradient-Selected NOESY—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
4	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
5	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
6	Probing the Diastereotopicity of Methylene Protons in Strychnine Using Residual Dipolar Couplings. <i>Organic Letters</i> , 2003, 5, 705-708.	2.4	152
7	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
8	Preparation and reactivity of chiral $\beta^2$ -amido-alkylzinc iodides and related configurationally stable zinc organometallics. <i>Tetrahedron</i> , 1994, 50, 2415-2432.	1.0	105
9	$\beta^2$ -Silyl Diorganozinc Compounds—A New Class of Useful Zinc Reagents. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1496-1498.	4.4	103
10	A Stable Stannaethene. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 546-548.	4.4	98
11	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
12	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
13	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
14	The qualitative probing of hydrogen bond strength by diffusion-ordered NMR spectroscopy. <i>Tetrahedron Letters</i> , 2000, 41, 7181-7185.	0.7	85
15	ACCORD-HMBC: a superior technique for structural elucidation. <i>Magnetic Resonance in Chemistry</i> , 1998, 36, S44-S46.	1.1	75
16	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
17	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
18	$^{13}\text{C}$ Spin-Lattice Relaxation Times and the Mobility of Organic Molecules in Solution. <i>Angewandte Chemie International Edition in English</i> , 1975, 14, 144-159.	4.4	70

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19	NMR Data of Methyltitanium Trichloride and Related Organometallic Compounds. A Combined Experimental and Theoretical Study of $\text{MenXCl}_4\text{-n}$ ( $n = 0\text{-}4$ ; $X = \text{C, Si, Sn, Pb, Ti}$ ). <i>Journal of the American Chemical Society</i> , 1995, 117, 3820-3829.	6.6	70
20	The Mechanism of Ozonolysis Revisited by $^{17}\text{O}$ -NMR Spectroscopy. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 1625-1627.	1.2	66
21	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
22	Carbon-13 magnetic resonance investigation of retinal isomers and related compounds. <i>Journal of the American Chemical Society</i> , 1974, 96, 7008-7014.	6.6	61
23	Stable germa- and stannaethenes. <i>Pure and Applied Chemistry</i> , 1987, 59, 1011-1014.	0.9	61
24	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
25	Carbene Analogues of Boron Stabilized by Neighboring Biaryl Moieties: Doubly Aromatic Bishomotriboriranes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1469-1472.	4.4	50
26	Scalar and Dipolar Coupling Studies of Organocuprates. <i>Journal of the American Chemical Society</i> , 1998, 120, 1333-1334.	6.6	50
27	Analysis of hydrocarbon mixtures by diffusion-ordered NMR spectroscopy. <i>Fuel</i> , 2000, 79, 1347-1351.	3.4	50
28	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
29	Residue-specific NH exchange rates studied by NMR diffusion experiments. <i>Journal of Magnetic Resonance</i> , 2007, 187, 97-104.	1.2	48
30	Vitamin C $^{13}\text{C}$ magnetic resonance study. <i>Tetrahedron</i> , 1977, 33, 1587-1589.	1.0	47
31	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
32	Determination of anisotropy of molecular motion with carbon-13 spin-lattice relaxation times. <i>Journal of the American Chemical Society</i> , 1975, 97, 1805-1808.	6.6	43
33	Studies of the complexation of sugars by diffusion-ordered NMR spectroscopy. <i>Carbohydrate Research</i> , 2000, 329, 1-5.	1.1	39
34	Unexpected multiplet patterns induced by the Haupt-effect. <i>Journal of Magnetic Resonance</i> , 2012, 219, 1-3.	1.2	39
35	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
36	Polyisocyanides As a New Alignment Medium To Measure Residual Dipolar Couplings for Small Organic Molecules. <i>Organic Letters</i> , 2012, 14, 241-243.	2.4	36

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37	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
38	The conformational dependence of vicinal $^{13}\text{C}$ - $^{13}\text{C}$ spin-spin coupling constants in alicyclic compounds. <i>Magnetic Resonance in Chemistry</i> , 1980, 14, 65-68.	0.7	34
39	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
40	Heteronuclear Edited Gradient Selected 1D and 2D NOE Spectra: Determination of the NOE Effect between Chemically Equivalent Protons. , 1997, 35, 199-202.		33
41	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
42	Selective INADEQUATE, a Farewell to 2D-NMR?. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1196-1197.	4.4	32
43	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
44	First Spectroscopical Evidence of a Dioxomethylene Intermediate in the Reaction of $\text{CO}_2$ with $\text{Cp}_2\text{Zr}(\text{H})\text{Cl}$ : A $^{13}\text{C}$ NMR Study. <i>Organometallics</i> , 2001, 20, 1703-1704.	1.1	32
45	Electronic Properties of Furyl Substituents at Phosphorus and Their Influence on $^{31}\text{P}$ NMR Chemical Shifts. <i>Journal of the American Chemical Society</i> , 2006, 128, 8434-8440.	6.6	32
46	Spatial structure of cyclosporin A and insight into its flexibility. <i>Journal of Molecular Structure</i> , 2013, 1036, 298-304.	1.8	32
47	Nuclear magnetic resonance spectroscopy. Carbon-13-nitrogen-15 coupling constants as a conformational probe. <i>Journal of the American Chemical Society</i> , 1974, 96, 6757-6759.	6.6	31
48	$^{13}\text{C}$ -Spin-Gitter-Relaxationszeiten und die Beweglichkeit gelöster organischer Moleküle. <i>Angewandte Chemie</i> , 1975, 87, 152-168.	1.6	31
49	The pH dependence of phenolphthalein. <i>Tetrahedron</i> , 1981, 37, 1607-1611.	1.0	31
50	Structural revision of pregnane ester glycosides from condurango cortex and new compounds. <i>Phytochemistry</i> , 1988, 27, 1451-1458.	1.4	30
51	Nuclear magnetic relaxation studies of the role of the metal ion in $\text{Mn}^{2+}$ -substituted aminoacylase I. <i>FEBS Journal</i> , 1990, 188, 175-180.	0.2	30
52	Detailed NOESY/T-ROESY analysis as an effective method for eliminating spin diffusion from 2D NOE spectra of small flexible molecules. <i>Journal of Molecular Structure</i> , 2016, 1104, 63-69.	1.8	30
53	The t-butyl group as sensor group of the ortho effect. <i>Tetrahedron</i> , 1976, 32, 2451-2455.	1.0	29
54	The $^{13}\text{C}$ Chemical Shift of the <i>ipso</i> Carbon Atom in Phenyllithium. <i>Chemische Berichte</i> , 1995, 128, 1183-1186.	0.2	29

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55	NMR Spectroscopic Structural Determination of Organozinc Reagents: Evidence for $\eta^5$ -Highly Coordinated $\eta^5$ -Zincates. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3070-3072.	7.2	28
56	Mechanism of 1,6-Addition Reactions of Organocuprates: Detailed NMR Spectroscopic Study of a Cuprate-Enyne $\pi$ Complex. <i>Chemistry - A European Journal</i> , 2001, 7, 2671-2675.	1.7	28
57	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
58	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
59	$^{13}\text{C}$ - $^{13}\text{C}$ spin-spin coupling matrix for 1- and 2-methylnaphthalene by the two-dimensional INADEQUATE method. Correlation with $\text{C}-\text{C}$ bond orders. <i>Magnetic Resonance in Chemistry</i> , 1984, 22, 47-51.	0.7	25
60	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
61	$^{13}\text{C}$ - $^{13}\text{C}$ spin coupling constants in phenanthrene derivatives. <i>Magnetic Resonance in Chemistry</i> , 1978, 11, 303-307.	0.7	23
62	Iron complexes of phosphinine derivatives. <i>Organometallics</i> , 1985, 4, 1565-1572.	1.1	23
63	Selective inverse correlation of $^{13}\text{C}$ and $^1\text{H}$ NMR signals, an alternative to 2D NMR. <i>Journal of Magnetic Resonance</i> , 1989, 81, 561-564.	0.5	23
64	$^1\text{H}$ - $^{13}\text{C}$ -ge-SELINCOR-TOCSY, a New Method for the Determination of $^1\text{H}$ - $^{13}\text{C}$ Coupling Constants. <i>Journal of Magnetic Resonance Series A</i> , 1996, 119, 260-263.	1.6	23
65	Zur Kenntnis des Chinoiden Zustandes $\eta^5$ - $^{13}\text{C}$ MR-Untersuchungen an Cyclohexadienonen. <i>Magnetic Resonance in Chemistry</i> , 1972, 4, 857-873.	0.7	22
66	$^{47/49}\text{Ti}$ NMR of some titanium compounds. <i>Magnetic Resonance in Chemistry</i> , 1990, 28, 559-560.	1.1	22
67	Two-dimensional $^{13}\text{C}$ - $^{19}\text{F}$ NMR correlation spectroscopy. <i>Journal of Fluorine Chemistry</i> , 1995, 72, 117-119.	0.9	22
68	Two-Dimensional Correlation Spectroscopy by Scalar Couplings: A Walk Through the Periodic Table. , 1996, 34, 4-13.		22
69	Long range secondary $^2\text{H}$ isotope effects in the $^{13}\text{C}$ -NMR spectra of naphthalene and azulene. <i>Tetrahedron</i> , 1983, 39, 1327-1329.	1.0	21
70	The iron-sulfur-cluster-containing l-serine dehydratase from <i>Peptostreptococcus asaccharolyticus</i> . Stereochemistry of the deamination of l-threonine. <i>FEBS Journal</i> , 1992, 205, 743-749.	0.2	21
71	2D carbon-13, selenium-77 correlation, a new NMR method for organoselenium compounds leading to correction of structural assignments. <i>Journal of Organic Chemistry</i> , 1993, 58, 5475-5478.	1.7	21
72	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

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73	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
74	Comparison of different 2D NMR techniques for <sup>13</sup> C, <sup>31</sup> P correlation. <i>Magnetic Resonance in Chemistry</i> , 1992, 30, 587-594.	1.1	19
75	SELRESOLVE inverse and selective detection of long-range C,H spin coupling constants. <i>Magnetic Resonance in Chemistry</i> , 1990, 28, 994-997.	1.1	18
76	A Dynamic Equilibrium of Oxaphosphetanes. <i>Chemische Berichte</i> , 1993, 126, 2397-2401.	0.2	18
77	Gelation Studies, 3. <i>Macromolecular Rapid Communications</i> , 2005, 26, 548-553.	2.0	18
78	Carbon-13-carbon-13 spin coupling constants within the bicyclo[2.2.2]octane and bicyclo[3.2.1]octane systems. <i>Journal of Organic Chemistry</i> , 1978, 43, 209-212.	1.7	17
79	Gradient-enhanced SELINCOR for selective excitation in a <sup>13</sup> C-resolved COSY experiment. <i>Magnetic Resonance in Chemistry</i> , 1995, 33, 144-148.	1.1	17
80	Observation of a Betaine Lithium Salt Adduct During the Course of a Wittig Reaction. , 1998, 1998, 1085-1087.		17
81	Triphenylphosphane complex formation with hexyn-1-yl silver. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 831-834.	1.1	17
82	Acquisition Regime for High-Resolution Heteronuclear 2D NMR Spectra. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7821-7824.	7.2	17
83	Nuclear magnetic resonance spectroscopy. Carbon-13 T1 measurements of cycloalkanes. <i>Journal of the American Chemical Society</i> , 1974, 96, 4348-4349.	6.6	16
84	3D H, C, P correlation: A new application of 3D NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, 1021-1023.	1.1	16
85	Aleposides, Cardenolide Oligoglycosides from <i>Adonis aleppica</i> . <i>Journal of Natural Products</i> , 1993, 56, 67-75.	1.5	16
86	Complete proton assignment in acetylcholesterol using ge-SELINCOR-TOCSY. <i>Tetrahedron</i> , 1995, 51, 3521-3524.	1.0	16
87	The Wittig Reaction with Pyridylphosphoranes. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2601-2604.	1.2	16
88	Spatial structure of peptides determined by residual dipolar couplings analysis. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 57-62.	1.1	16
89	Transfer of the Haupt-hyperpolarization to neighbor spins. <i>Journal of Magnetic Resonance</i> , 2012, 223, 148-150.	1.2	16
90	Experimental boundaries of the quantum rotor induced polarization (QRIP) in liquid state NMR. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 815-820.	1.1	16

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91	Oxepine, III. Ein neuer Syntheseweg ausgehend von 2,5-Cyclohexadien-1,4-diolen. <i>Chemische Berichte</i> , 1975, 108, 3700-3720.	0.2	15
92	A <sup>13</sup> C <sup>13</sup> C spin-spin coupling matrix for azulene. <i>Journal of Organic Chemistry</i> , 1984, 49, 3725-3728.	1.7	15
93	Correlation between deuterium isotope effects and <sup>13</sup> C-NMR chemical shifts in substituted benzenes. <i>Tetrahedron Letters</i> , 1987, 28, 1243-1246.	0.7	15
94	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
95	Structural NMR Investigations on Allyllithium Compounds. <i>Chemische Berichte</i> , 1992, 125, 733-737.	0.2	15
96	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
97	Wittig reactions of moderate ylides with heteroaryl substituents at the phosphorus atom. <i>Tetrahedron</i> , 2005, 61, 6764-6771.	1.0	15
98	The conformational dependence of <sup>15</sup> N <sup>13</sup> C spin spin coupling constants. <i>Tetrahedron</i> , 1978, 34, 3133-3136.	1.0	14
99	An increment system for deuterium isotope effects on <sup>13</sup> C chemical shifts of methylated benzenes. <i>Magnetic Resonance in Chemistry</i> , 1986, 24, 1073-1076.	1.1	14
100	INEPT-HMQC, a New Pulse Sequence for <sup>13</sup> C, <sup>29</sup> Si Correlation. <i>Journal of Magnetic Resonance Series A</i> , 1993, 101, 329-332.	1.6	14
101	Locating the Position of Lithium in Solution by Combined <sup>13</sup> C, <sup>6</sup> Li and <sup>1</sup> H, <sup>6</sup> Li HOESY Measurements. <i>Chemische Berichte</i> , 1995, 128, 799-802.	0.2	14
102	SIND Î» <sup>5</sup> âˆ™PHOSPHORINE CYCLISCHE PHOSPHONIUM-YLIDE ODER 6i€-DELOKALISIERTE â€œAROMATISCHEâ€•VERBINDUNGEN?. <i>Phosphorous and Sulfur and the Related Elements</i> , 1981, 10, 305-315.	0.2	13
103	Deuterium Isotope Effects as a Probe for Cî€C Hyperconjugation. <i>Chemische Berichte</i> , 1987, 120, 1059-1062.	0.2	13
104	<sup>13</sup> C and <sup>1</sup> H NMR chemical shifts of 2-substituted anthracenes. <i>Magnetic Resonance in Chemistry</i> , 1989, 27, 201-203.	1.1	13
105	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
106	Selective Solvation of Cyclodextrins by Small Molecules: A NOE Study. <i>ChemPhysChem</i> , 2006, 7, 2074-2076.	1.0	13
107	Zur <sup>13</sup> C-NMR-Spektroskopie von Oxepinen. <i>Magnetic Resonance in Chemistry</i> , 1974, 6, 78-84.	0.7	12
108	<sup>15</sup> N <sup>13</sup> C coupling constants in <sup>15</sup> N labelled azaadamantane. <i>Magnetic Resonance in Chemistry</i> , 1976, 8, 438-438.	0.7	12

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109	Two-dimensional <sup>13</sup> C, heteroelement correlation spectroscopy. Concepts in Magnetic Resonance, 1994, 6, 293-306.	1.3	12
110	Unambiguous Resolution of $\hat{\pm}$ -Methyl and $\hat{\pm}$ -Methylene Protons in <sup>1</sup> H NMR Spectra of Heavy Petroleum Fractions. Energy & Fuels, 2005, 19, 508-511.	2.5	12
111	Extrem weitreichende <sup>2</sup> H-Isotopeneffekte auf die chemischen Verschiebungen in <sup>13</sup> C-NMR-Spektren von Verbindungen mit konjugierten Doppelbindungen. Angewandte Chemie, 1983, 95, 321-322.	1.6	12
112	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
113	The use of proton-coupled INADEQUATE to determine carbon-carbon spin coupling constants in symmetrical molecules. Journal of Magnetic Resonance, 1986, 66, 555-557.	0.5	11
114	Two-dimensional <sup>13</sup> C, <sup>11</sup> B correlation spectroscopy. Magnetic Resonance in Chemistry, 1994, 32, 436-438.	1.1	11
115	The Redox Pair Vitamin E and Vitamin C, A <sup>13</sup> C-NMR Study. Liebigs Annalen Der Chemie, 1994, 1994, 1239-1241.	0.8	11
116	The deuterium isotope as a polar substituent?. Tetrahedron Letters, 1984, 25, 5019-5022.	0.7	10
117	Two-dimensional carbon-13-tin-119 correlation: a new NMR tool for organotin chemistry. Organometallics, 1992, 11, 3481-3483.	1.1	10
118	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. Russian Chemical Bulletin, 2004, 53, 1466-1470.	0.4	10
119	Determination of the binding specificity of the 12S subunit of the transcarboxylase by saturation transfer difference NMR. Organic and Biomolecular Chemistry, 2004, 2, 1777.	1.5	10
120	Comparative Study of the Phospha- and Arsa-Wittig Reaction Using <sup>1</sup> H, <sup>75</sup> As and <sup>17</sup> O NMR Spectroscopy. European Journal of Organic Chemistry, 2006, 2006, 4934-4937.	1.2	10
121	<sup>13</sup> C-NMR detection of STD spectra. Magnetic Resonance in Chemistry, 2010, 48, 91-93.	1.1	10
122	Ionic liquid crystals as alignment medium to measure residual dipolar couplings for carbohydrates. Carbohydrate Research, 2013, 377, 44-47.	1.1	10
123	Steric hindrance in substituted dibenzofurans. Journal of the Chemical Society Perkin Transactions II, 1977, , 54.	0.9	9
124	Darstellung und Spektroskopische Charakterisierung von [4,7- <sup>13</sup> C <sub>2</sub> ]-Azulen/ Preparation and Spectroscopic Characterisation of [4,7- <sup>13</sup> C <sub>2</sub> ] Azulene. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1981, 36, 858-864.	0.3	9
125	Extremely Long-Range <sup>2</sup> H Isotope Effects on the Chemical Shifts in the <sup>13</sup> C-NMR Spectra of Compounds with Conjugated Double Bonds. Angewandte Chemie International Edition in English, 1983, 22, 321-322.	4.4	9
126	Enzyme-Catalyzed Formation of Carboxybiotin as Proved by the Measurement of <sup>15</sup> N, <sup>13</sup> C and <sup>13</sup> C, <sup>13</sup> C Spin-Spin Coupling. Angewandte Chemie International Edition in English, 1996, 35, 2132-2133.	4.4	9



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127	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
128	NMR study of the gelation of a designed gelator. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 545-549.	1.1	9
129	Precise structural analysis of $\alpha$ -helical poly(L-alanine) by quantum chemical calculation. <i>Journal of Molecular Structure</i> , 2008, 889, 104-111.	1.8	9
130	Synthesis of [ $^{13}\text{C}$ ]biotin. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1990, 28, 977-982.	0.5	8
131	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
132	Saturation Transfer Difference Measurements with $\text{SU(VAR)}_3$ and S-adenosyl-L-methionine. <i>Biochemistry</i> , 2005, 44, 6208-6213.	1.2	8
133	The Flavin-Tryptophan Dyad F10T as a Cryptochrome Model Compound: Synthesis and Photochemistry. <i>ChemPhotoChem</i> , 2017, 1, 12-16.	1.5	8
134	$^{13}\text{C}$ - $^{13}\text{C}$ long range spin-spin coupling constant in naphthalene derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1975, , 423-424.	2.0	7
135	$^{13}\text{C}$ - $^{13}\text{C}$ spin-spin coupling constants in azulenes. <i>Tetrahedron</i> , 1980, 36, 1891-1893.	1.0	7
136	DIE PHOSPHONIUM-YLIDSTRUKTUR DER TRICARBONYLCHROMKOMPLEXE VON $\text{P}^{\text{III}}$ -PHOSPHORINEN. <i>Phosphorous and Sulfur and the Related Elements</i> , 1981, 10, 295-303.	0.2	7
137	$^{13}\text{C}$ , $^{13}\text{C}$ spin-spin coupling constants as a probe for mesomeric structures: vitamin C. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 1252-1253.	2.0	7
138	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
139	Two-dimensional $^{13}\text{C}$ , $^{199}\text{Hg}$ correlation: A new NMR method for characterisation of organomercury compounds. <i>Journal of Organometallic Chemistry</i> , 1994, 471, 35-38.	0.8	7
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