

# Harald J Schwalbe

## List of Publications by Citations

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468  
papers

15,675  
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63  
h-index

104  
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551  
ext. papers

17,497  
ext. citations

7.7  
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6.46  
L-index

#	Paper	IF	Citations
468	Long-range interactions within a nonnative protein. <i>Science</i> , <b>2002</b> , 295, 1719-22	33.3	548
467	Analysis of main chain torsion angles in proteins: prediction of NMR coupling constants for native and random coil conformations. <i>Journal of Molecular Biology</i> , <b>1996</b> , 255, 494-506	6.5	358
466	NMR spectroscopy of RNA. <i>ChemBioChem</i> , <b>2003</b> , 4, 936-62	3.8	350
465	Perspectives on NMR in drug discovery: a technique comes of age. <i>Nature Reviews Drug Discovery</i> , <b>2008</b> , 7, 738-45	64.1	318
464	Structural biology. Mechanistic insight from the crystal structure of mitochondrial complex I. <i>Science</i> , <b>2015</b> , 347, 44-9	33.3	300
463	Structure and dynamics of the homologous series of alanine peptides: a joint molecular dynamics/NMR study. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1179-89	16.4	272
462	Structural and dynamical properties of a denatured protein. Heteronuclear 3D NMR experiments and theoretical simulations of lysozyme in 8 M urea. <i>Biochemistry</i> , <b>1997</b> , 36, 8977-91	3.2	271
461	Discovery of protein phosphatase inhibitor classes by biology-oriented synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 10606-11	11.5	271
460	The concept of a random coil. Residual structure in peptides and denatured proteins. <i>Folding &amp; Design</i> , <b>1996</b> , 1, R95-106		252
459	Facing and Overcoming Sensitivity Challenges in Biomolecular NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9162-85	16.4	208
458	Synonymous Codons Direct Cotranslational Folding toward Different Protein Conformations. <i>Molecular Cell</i> , <b>2016</b> , 61, 341-351	17.6	192
457	NMR solution structure of a complex of calmodulin with a binding peptide of the Ca <sup>2+</sup> pump. <i>Biochemistry</i> , <b>1999</b> , 38, 12320-32	3.2	182
456	Protein alignment by a coexpressed lanthanide-binding tag for the measurement of residual dipolar couplings. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 13338-9	16.4	178
455	Adenosine-to-inosine RNA editing controls cathepsin S expression in atherosclerosis by enabling HuR-mediated post-transcriptional regulation. <i>Nature Medicine</i> , <b>2016</b> , 22, 1140-1150	50.5	155
454	Solution NMR structure of proteorhodopsin. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11942-6	16.4	150
453	Structures of RNA switches: insight into molecular recognition and tertiary structure. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1212-9	16.4	150
452	Toward a Description of the Conformations of Denatured States of Proteins. Comparison of a Random Coil Model with NMR Measurements. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 2661-2666		148

451	High-resolution NMR structure of an RNA model system: the 14-mer cUUCGg tetraloop hairpin RNA. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 683-94	20.1	146
450	Three-state mechanism couples ligand and temperature sensing in riboswitches. <i>Nature</i> , <b>2013</b> , 499, 355-9	9.4	145
449	WeNMR: Structural Biology on the Grid. <i>Journal of Grid Computing</i> , <b>2012</b> , 10, 743-767	4.2	142
448	A refined solution structure of hen lysozyme determined using residual dipolar coupling data. <i>Protein Science</i> , <b>2001</b> , 10, 677-88	6.3	141
447	Characterization of conformational preferences in a partly folded protein by heteronuclear NMR spectroscopy: assignment and secondary structure analysis of hen egg-white lysozyme in trifluoroethanol. <i>Biochemistry</i> , <b>1995</b> , 34, 13219-32	3.2	141
446	An intermolecular base triple as the basis of ligand specificity and affinity in the guanine- and adenine-sensing riboswitch RNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 1372-7	11.5	138
445	Molecular mechanism of inhibition of the human protein complex Hsp90-Cdc37, a kinome chaperone-cochaperone, by triterpene celastrol. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5853-5	16.4	131
444	NMR characterization of kinase p38 dynamics in free and ligand-bound forms. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 993-7	16.4	129
443	Double-lanthanide-binding tags: design, photophysical properties, and NMR applications. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7106-13	16.4	129
442	Interplay of induced fit and preorganization in the ligand induced folding of the aptamer domain of the guanine binding riboswitch. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 572-83	20.1	128
441	Engineering encodable lanthanide-binding tags into loop regions of proteins. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 808-19	16.4	118
440	Metal-ion binding and metal-ion induced folding of the adenine-sensing riboswitch aptamer domain. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 5262-73	20.1	115
439	Retroviral vectors pseudotyped with severe acute respiratory syndrome coronavirus S protein. <i>Journal of Virology</i> , <b>2004</b> , 78, 9007-15	6.6	114
438	Time-resolved NMR methods resolving ligand-induced RNA folding at atomic resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 15699-704	11.5	112
437	Inhibition of tumor angiogenesis and growth by a small-molecule multi-FGF receptor blocker with allosteric properties. <i>Cancer Cell</i> , <b>2013</b> , 23, 477-88	24.3	110
436	Intrinsic propensities of amino acid residues in GxG peptides inferred from amide I band profiles and NMR scalar coupling constants. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 540-51	16.4	109
435	The structure of the cytochrome <i>p450cam</i> -putidaredoxin complex determined by paramagnetic NMR spectroscopy and crystallography. <i>Journal of Molecular Biology</i> , <b>2013</b> , 425, 4353-65	6.5	102
434	Time-resolved NMR studies of RNA folding. <i>Biopolymers</i> , <b>2007</b> , 86, 360-83	2.2	101

- 433 Molecular mechanism of SSR128129E, an extracellularly acting, small-molecule, allosteric inhibitor of FGF receptor signaling. *Cancer Cell*, **2013**, 23, 489-501 24.3 99
- 432 NMR analysis of a Tau phosphorylation pattern. *Journal of the American Chemical Society*, **2006**, 128, 3575-83 16.4 99
- 431 Kinetics of photoinduced RNA refolding by real-time NMR spectroscopy. *Angewandte Chemie - International Edition*, **2005**, 44, 2600-3 16.4 94
- 430 Main-chain dynamics of a partially folded protein: 15N NMR relaxation measurements of hen egg white lysozyme denatured in trifluoroethanol. *Journal of Molecular Biology*, **1996**, 257, 669-83 6.5 93
- 429 Three-Dimensional Triple-Resonance 1H, 13C, 31P Experiment: Sequential Through-Bond Correlation of Ribose Protons and Intervening Phosphorus along the RNA Oligonucleotide Backbone. *Journal of the American Chemical Society*, **1994**, 116, 6472-6473 16.4 91
- 428 Discovery of a new class of inhibitors of Mycobacterium tuberculosis protein tyrosine phosphatase B by biology-oriented synthesis. *Angewandte Chemie - International Edition*, **2008**, 47, 5973-7 16.4 90
- 427 Spectroscopic, molecular modeling, and NMR-spectroscopic investigation of the binding mode of the natural alkaloids berberine and sanguinarine to human telomeric G-quadruplex DNA. *ACS Chemical Biology*, **2012**, 7, 1109-19 4.9 89
- 426 Direct observation of the temperature-induced melting process of the Salmonella fourU RNA thermometer at base-pair resolution. *Nucleic Acids Research*, **2010**, 38, 3834-47 20.1 89
- 425 Enlightening the photoactive site of channelrhodopsin-2 by DNP-enhanced solid-state NMR spectroscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9896-901 11.5 85
- 424 Small-molecule binding sites on proteins established by paramagnetic NMR spectroscopy. *Journal of the American Chemical Society*, **2013**, 135, 5859-68 16.4 83
- 423 Determination of a complete set of coupling constants in 13C-labeled oligonucleotides. *Journal of Biomolecular NMR*, **1994**, 4, 631-44 3 83
- 422 Evaluation of parameters critical for observing nucleic acids inside living *Xenopus laevis* oocytes by in-cell NMR spectroscopy. *Journal of the American Chemical Society*, **2009**, 131, 15761-8 16.4 82
- 421 The structure of the neuropeptide bradykinin bound to the human G-protein coupled receptor bradykinin B2 as determined by solid-state NMR spectroscopy. *Angewandte Chemie - International Edition*, **2008**, 47, 1668-71 16.4 78
- 420 Monitoring the Kinetics of Ion-Dependent Protein Folding by Time-Resolved NMR Spectroscopy at Atomic Resolution. *Journal of the American Chemical Society*, **2000**, 122, 6169-6174 16.4 77
- 419 Translation on demand by a simple RNA-based thermosensor. *Nucleic Acids Research*, **2011**, 39, 2855-68 20.1 75
- 418 Tandem phosphorylation of serines 221 and 318 by protein kinase Cdelta coordinates mRNA binding and nucleocytoplasmic shuttling of HuR. *Molecular and Cellular Biology*, **2010**, 30, 1397-410 4.8 74
- 417 Double-lanthanide-binding tags for macromolecular crystallographic structure determination. *Journal of the American Chemical Society*, **2007**, 129, 7114-20 16.4 74
- 416 Time-resolved NMR spectroscopic studies of DNA i-motif folding reveal kinetic partitioning. *Angewandte Chemie - International Edition*, **2012**, 51, 250-3 16.4 72

415	Solution 19F nuclear Overhauser effects in structural studies of the cytoplasmic domain of mammalian rhodopsin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 4888-92	11.5	72
414	Determination of RNA Sugar Pucker Mode from Cross-Correlated Relaxation in Solution NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 1956-1957	16.4	69
413	Side-chain conformations in an unfolded protein: chi1 distributions in denatured hen lysozyme determined by heteronuclear 13C, 15N NMR spectroscopy. <i>Journal of Molecular Biology</i> , <b>1999</b> , 288, 705-723	6.5	68
412	Involvement of Long-Lived Intermediate States in the Complex Folding Pathway of the Human Telomeric G-Quadruplex. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8444-8	16.4	67
411	Mapping the landscape of RNA dynamics with NMR spectroscopy. <i>Accounts of Chemical Research</i> , <b>2011</b> , 44, 1292-301	24.3	67
410	Angular dependence of 1J(Ni,Calpha) and 2J(Ni,Calpha(i-1)) coupling constants measured in J-modulated HSQCs. <i>Journal of Biomolecular NMR</i> , <b>2002</b> , 23, 47-55	3	67
409	Brunsvicamides A-C: sponge-related cyanobacterial peptides with Mycobacterium tuberculosis protein tyrosine phosphatase inhibitory activity. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 4871-8	8.3	66
408	Blind testing of routine, fully automated determination of protein structures from NMR data. <i>Structure</i> , <b>2012</b> , 20, 227-36	5.2	64
407	Evidence for transmembrane proton transfer in a dihaem-containing membrane protein complex. <i>EMBO Journal</i> , <b>2006</b> , 25, 4963-70	13	63
406	Chemical shifts in denatured proteins: resonance assignments for denatured ubiquitin and comparisons with other denatured proteins. <i>Journal of Biomolecular NMR</i> , <b>2001</b> , 19, 153-65	3	62
405	Structure determination of noncanonical RNA motifs guided by 1H NMR chemical shifts. <i>Nature Methods</i> , <b>2014</b> , 11, 413-6	21.6	61
404	Solution NMR spectroscopy of [alpha -15N]lysine-labeled rhodopsin: The single peak observed in both conventional and TROSY-type HSQC spectra is ascribed to Lys-339 in the carboxyl-terminal peptide sequence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 1157-1162	11.5	60
403	Gd(iii) and Mn(ii) complexes for dynamic nuclear polarization: small molecular chelate polarizing agents and applications with site-directed spin labeling of proteins. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 27205-27218	3.6	59
402	J-Coupling Restraints in RNA Structure Determination. <i>Accounts of Chemical Research</i> , <b>1999</b> , 32, 614-623	24.3	58
401	Secondary structure determination of conserved SARS-CoV-2 RNA elements by NMR spectroscopy. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 12415-12435	20.1	58
400	Isotope labeling of mammalian GPCRs in HEK293 cells and characterization of the C-terminus of bovine rhodopsin by high resolution liquid NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , <b>2008</b> , 40, 49-53	3	57
399	Differential dynamics in the G protein-coupled receptor rhodopsin revealed by solution NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 3409-13	11.5	57
398	New principle for the determination of coupling constants that largely suppresses differential relaxation effects. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 10389-10390	16.4	57

397	The molecular basis of subtype selectivity of human kinin G-protein-coupled receptors. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 284-290	11.7	56
396	Metabolic Plasticity of Acute Myeloid Leukemia. <i>Cells</i> , <b>2019</b> , 8,	7.9	56
395	Identification of inhibitors for mycobacterial protein tyrosine phosphatase B (MptpB) by biology-oriented synthesis (BIOS). <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 1109-26	4.5	56
394	Residue specific ribose and nucleobase dynamics of the cUUCGg RNA tetraloop motif by MNMR <sup>13</sup> C relaxation. <i>Journal of Biomolecular NMR</i> , <b>2005</b> , 32, 295-308	3	56
393	Sequential correlation of anomeric ribose protons and intervening phosphorus in RNA oligonucleotides by a <sup>1</sup> H, <sup>13</sup> C, <sup>31</sup> P triple resonance experiment: HCP-CCH-TOCSY. <i>Journal of Biomolecular NMR</i> , <b>1995</b> , 5, 87-92	3	56
392	Chemical synthesis of <sup>13</sup> C-labelled monomers for the solid-phase and template controlled enzymatic synthesis of DNA and RNA oligomers. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 6649-6651	2	56
391	The nature of hydrogen bonds in cytidine-H <sup>+</sup> -cytidine DNA base pairs. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 4067-70	16.4	55
390	Discovery of Mycobacterium tuberculosis protein tyrosine phosphatase A (MptpA) inhibitors based on natural products and a fragment-based approach. <i>ChemBioChem</i> , <b>2005</b> , 6, 1749-53	3.8	55
389	New NMR experiments for RNA nucleobase resonance assignment and chemical shift analysis of an RNA UUCG tetraloop. <i>Journal of Biomolecular NMR</i> , <b>2004</b> , 28, 69-79	3	54
388	Enantioselective total synthesis of cylindramide. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 820-2	16.4	54
387	Determination of H(N),H(⊕) and H(N),CPcoupling constants in ( <sup>13</sup> C), ( <sup>15</sup> N)-labeled proteins. <i>Journal of Biomolecular NMR</i> , <b>1994</b> , 4, 231-40	3	54
386	Multiple conformational states of riboswitches fine-tune gene regulation. <i>Current Opinion in Structural Biology</i> , <b>2015</b> , 30, 112-124	8.1	53
385	The human Cdc37.Hsp90 complex studied by heteronuclear NMR spectroscopy. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 3885-96	5.4	53
384	Conformational dynamics of bistable RNAs studied by time-resolved NMR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 16222-9	16.4	53
383	Cell penetrating thiazole peptides inhibit c-MYC expression via site-specific targeting of c-MYC G-quadruplex. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 5355-5365	20.1	53
382	Modulation of compactness and long-range interactions of unfolded lysozyme by single point mutations. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5780-5	16.4	52
381	Modulation of the stability of the Salmonella fourU-type RNA thermometer. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 8258-70	20.1	51
380	A Nucleus-Imaging Probe That Selectively Stabilizes a Minor Conformation of c-MYC G-quadruplex and Down-regulates c-MYC Transcription in Human Cancer Cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 13183	4.9	50



379	NMR and MD studies of the temperature-dependent dynamics of RNA YNMG-tetraloops. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 1928-40	20.1	50
378	L11 domain rearrangement upon binding to RNA and thiostrepton studied by NMR spectroscopy. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 441-54	20.1	50
377	NMR backbone assignment of a protein kinase catalytic domain by a combination of several approaches: application to the catalytic subunit of cAMP-dependent protein kinase. <i>ChemBioChem</i> , <b>2004</b> , 5, 1508-16	3.8	50
376	Glutamic acid-rich proteins of rod photoreceptors are natively unfolded. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 1449-60	5.4	49
375	Motional properties of unfolded ubiquitin: a model for a random coil protein. <i>Journal of Biomolecular NMR</i> , <b>2006</b> , 35, 175-86	3	49
374	Cross-correlated relaxation for measurement of angles between tensorial interactions. <i>Methods in Enzymology</i> , <b>2001</b> , 338, 35-81	1.7	49
373	Optimization of transversal relaxation of nitroxides for pulsed electron-electron double resonance spectroscopy in phospholipid membranes. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 13507-16	3.4	48
372	Conformation of valine side chains in ribonuclease T1 determined by NMR studies of homonuclear and heteronuclear 3J coupling constants. <i>Biochemistry</i> , <b>1994</b> , 33, 5481-92	3.2	47
371	Neue Ansätze zur Empfindlichkeitssteigerung in der biomolekularen NMR-Spektroskopie. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9292-9317	3.6	46
370	Total synthesis and NMR investigations of cylindramide. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 2488-503	16.8	46
369	Experimental evidence for proton motive force-dependent catalysis by the diheme-containing succinate:menaquinone oxidoreductase from the Gram-positive bacterium <i>Bacillus licheniformis</i> . <i>Biochemistry</i> , <b>2006</b> , 45, 15049-55	3.2	46
368	Photoresponsive Formation of an Intermolecular Minimal G-Quadruplex Motif. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2738-42	16.4	45
367	Experimental support for the "E pathway hypothesis" of coupled transmembrane e- and H+ transfer in dihemic quinol:fumarate reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 18860-5	11.5	44
366	Encoded loop-lanthanide-binding tags for long-range distance measurements in proteins by NMR and EPR spectroscopy. <i>Journal of Biomolecular NMR</i> , <b>2015</b> , 63, 275-82	3	43
365	A caged uridine for the selective preparation of an RNA fold and determination of its refolding kinetics by real-time NMR. <i>ChemBioChem</i> , <b>2006</b> , 7, 417-20	3.8	43
364	Measurement of H,H-Coupling Constants Associated with .nu.1, .nu. 2, and .nu.3 in Uniformly 13C-Labeled RNA by HCC-TOCSY-CCH-E.COSY. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 7251-7252	16.4	43
363	Water-soluble Py-BIPS spiropyranes as photoswitches for biological applications. <i>Organic Letters</i> , <b>2015</b> , 17, 1517-20	6.2	42
362	Amino acids with hydrogen-bonding side chains have an intrinsic tendency to sample various turn conformations in aqueous solution. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6789-97	4.8	42

361	Entwicklung einer neuen Klasse von Inhibitoren der Proteintyrosinphosphatase-B aus <i>Mycobacterium tuberculosis</i> durch Biologie-orientierte Synthese (BIOS). <i>Angewandte Chemie</i> , <b>2008</b> , 120, 6061-6066	3.6	42
360	How much NMR data is required to determine a protein-ligand complex structure?. <i>ChemBioChem</i> , <b>2005</b> , 6, 1891-8	3.8	42
359	Determination of $\alpha$ and Stereospecific Assignment of H5 $\beta$ Protons by Measurement of 2J and 3J Coupling Constants in Uniformly <sup>13</sup> C Labeled RNA. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 4388-4395	16.4	42
358	Dissecting the influence of Mg <sup>2+</sup> on 3D architecture and ligand-binding of the guanine-sensing riboswitch aptamer domain. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 4143-53	20.1	41
357	Rapid NMR screening of RNA secondary structure and binding. <i>Journal of Biomolecular NMR</i> , <b>2015</b> , 63, 67-76	3	40
356	Design, synthesis, and biological testing of novel naphthoquinones as substrate-based inhibitors of the quinol/fumarate reductase from <i>Wolinella succinogenes</i> . <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 9530-41	8.3	40
355	Tuning the pH Response of i-Motif DNA Oligonucleotides. <i>ChemBioChem</i> , <b>2015</b> , 16, 1647-56	3.8	40
354	Tracing the tail of ubiquinone in mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2012</b> , 1817, 1776-84	4.6	40
353	Molecular tuning of farnesoid X receptor partial agonism. <i>Nature Communications</i> , <b>2019</b> , 10, 2915	17.4	39
352	Optimized Plk1 PBD Inhibitors Based on Poloxin Induce Mitotic Arrest and Apoptosis in Tumor Cells. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 2570-9	4.9	38
351	Synthesis of Fluorescent Binaphthyl Amines That Bind c-MYC G-Quadruplex DNA and Repress c-MYC Expression. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 7275-81	8.3	38
350	Design of photocaged puromycin for nascent polypeptide release and spatiotemporal monitoring of translation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3717-21	16.4	38
349	The state of the art of chemical biology. <i>ChemBioChem</i> , <b>2009</b> , 10, 16-29	3.8	38
348	Structural Comparison of Oligoribonucleotides and Their 2'-Deoxy-2'-fluoro Analogs by heteronuclear NMR spectroscopy. <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 1952-1971	2	38
347	Stereospecific assignment of leucine methyl groups with carbon-13 in natural abundance or with random <sup>13</sup> C labeling. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 1126-1127	16.4	37
346	Small molecule regulated dynamic structural changes of human G-quadruplexes. <i>Chemical Science</i> , <b>2016</b> , 7, 3279-3285	9.4	37
345	Solution NMR Structure of a Ligand/Hybrid-2-G-Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7102-7106	16.4	36
344	Mutations in gp120 contribute to the resistance of human immunodeficiency virus type 1 to membrane-anchored C-peptide maC46. <i>Journal of Virology</i> , <b>2009</b> , 83, 4844-53	6.6	36



343	Structure induction of the T-cell receptor zeta-chain upon lipid binding investigated by NMR spectroscopy. <i>ChemBioChem</i> , <b>2007</b> , 8, 820-7	3.8	35
342	Combined solid state and solution NMR studies of alpha,epsilon-15N labeled bovine rhodopsin. <i>Journal of Biomolecular NMR</i> , <b>2007</b> , 37, 303-12	3	35
341	Millisecond Time Resolved Photo-CIDNP NMR Reveals a Non-Native Folding Intermediate on the Ion-Induced Refolding Pathway of Bovine $\beta$ -Lactalbumin. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 4248-4251	16.4	35
340	Structure and dynamics of the deoxyguanosine-sensing riboswitch studied by NMR-spectroscopy. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 6802-12	20.1	34
339	Model development for the viral Kcv potassium channel. <i>Biophysical Journal</i> , <b>2009</b> , 96, 485-98	2.9	34
338	Characterization of the unfolded state of bovine alpha-lactalbumin and comparison with unfolded states of homologous proteins. <i>Protein Science</i> , <b>2006</b> , 15, 1397-407	6.3	34
337	Heteronuclear Cross-Relaxation under Solid-State Dynamic Nuclear Polarization. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16572-16575	16.4	34
336	Targeting RNA structure in SMN2 reverses spinal muscular atrophy molecular phenotypes. <i>Nature Communications</i> , <b>2018</b> , 9, 2032	17.4	34
335	Optimizing the kinetics and thermodynamics of DNA i-motif folding. <i>ChemBioChem</i> , <b>2013</b> , 14, 1226-30	3.8	33
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