

Janez Plavec

List of Publications by Year in descending order

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193
papers

5,306
citations

87401

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150775

59
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203
all docs

203
docs citations

203
times ranked

6198
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding self-assembly at molecular level enables controlled design of DNA G-wires of different properties. <i>Nature Communications</i> , 2022, 13, 1062.	5.8	8
2	Conformational Properties of New Thiosemicarbazone and Thiocarbohydrazone Derivatives and Their Possible Targets. <i>Molecules</i> , 2022, 27, 2537.	1.7	8
3	Organic acid cross-linked 3D printed cellulose nanocomposite bioscaffolds with controlled porosity, mechanical strength, and biocompatibility. <i>IScience</i> , 2022, 25, 104263.	1.9	12
4	Fused in Liposarcoma Protein, a New Player in the Regulation of HIV-1 Transcription, Binds to Known and Newly Identified LTR G-Quadruplexes. <i>ACS Infectious Diseases</i> , 2022, 8, 958-968.	1.8	11
5	Exercise and Interorgan Communication: Short-Term Exercise Training Blunts Differences in Consecutive Daily Urine ¹ H-NMR Metabolomic Signatures between Physically Active and Inactive Individuals. <i>Metabolites</i> , 2022, 12, 473.	1.3	4
6	Human Virus Genomes Are Enriched in Conserved Adenine/Thymine/Uracil Multiple Tracts That Pause Polymerase Progression. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	0
7	Urine and Fecal ¹ H-NMR Metabolomes Differ Significantly between Pre-Term and Full-Term Born Physically Fit Healthy Adult Males. <i>Metabolites</i> , 2022, 12, 536.	1.3	2
8	Conformational Properties and Putative Bioactive Targets for Novel Thiosemicarbazone Derivatives. <i>Molecules</i> , 2022, 27, 4548.	1.7	2
9	Radiolabelled CCK 2 R Antagonists Containing PEG Linkers: Design, Synthesis and Evaluation. <i>ChemMedChem</i> , 2021, 16, 155-163.	1.6	5
10	Unravelling the pathways of air plasma induced aflatoxin B1 degradation and detoxification. <i>Journal of Hazardous Materials</i> , 2021, 403, 123593.	6.5	38
11	Synthesis and Structure of 4 ¹ -CF ₃ -Uridine Modified Oligoribonucleotides. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 4059.	0.6	0
12	Insight into formation propensity of pseudocircular DNA G-hairpins. <i>Nucleic Acids Research</i> , 2021, 49, 2317-2332.	6.5	7
13	Oxidative lesions modulate G-quadruplex stability and structure in the human BCL2 promoter. <i>Nucleic Acids Research</i> , 2021, 49, 2346-2356.	6.5	17
14	Transcriptome screening followed by integrated physicochemical and structural analyses for investigating RNA-mediated berberine activity. <i>Nucleic Acids Research</i> , 2021, 49, 8449-8461.	6.5	11
15	Spinal Muscular Atrophy after Nusinersen Therapy: Improved Physiology in Pediatric Patients with No Significant Change in Urine, Serum, and Liquor ¹ H-NMR Metabolomes in Comparison to an Age-Matched, Healthy Cohort. <i>Metabolites</i> , 2021, 11, 206.	1.3	16
16	Nep1-like proteins as a target for plant pathogen control. <i>PLoS Pathogens</i> , 2021, 17, e1009477.	2.1	9
17	Structural Fine-Tuning of Desmuramylpeptide NOD2 Agonists Defines Their <i>In Vivo</i> Adjuvant Activity. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7809-7838.	2.9	12
18	Influence of Charge and Heat on the Mechanical Properties of Scaffolds from Ionic Complexation of Chitosan and Carboxymethyl Cellulose. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3618-3632.	2.6	12

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19	Succinylation of Polyallylamine: Influence on Biological Efficacy and the Formation of Electrospun Fibers. <i>Polymers</i> , 2021, 13, 2840.	2.0	2
20	c-kit2 G-quadruplex stabilized via a covalent probe: exploring G-quartet asymmetry. <i>Nucleic Acids Research</i> , 2021, 49, 8947-8960.	6.5	7
21	Water-based carbodiimide mediated synthesis of polysaccharide-amino acid conjugates: Deprotection, charge and structural analysis. <i>Carbohydrate Polymers</i> , 2021, 267, 118226.	5.1	9
22	Lipid Polymorphism of the Subchloroplastâ€”Granum and Stroma Thylakoid Membraneâ€”Particles. I. ³¹ P-NMR Spectroscopy. <i>Cells</i> , 2021, 10, 2354.	1.8	6
23	Chemical Modulation of DNA Replication along G-Quadruplex Based on Topology-Dependent Ligand Binding. <i>Journal of the American Chemical Society</i> , 2021, 143, 16458-16469.	6.6	31
24	Small circular interfering RNAs (sciRNAs) as a potent therapeutic platform for gene-silencing. <i>Nucleic Acids Research</i> , 2021, 49, 10250-10264.	6.5	7
25	The <i>MDM2</i> inducible promoter folds into four-tetrad antiparallel G-quadruplexes targetable to fight malignant liposarcoma. <i>Nucleic Acids Research</i> , 2021, 49, 847-863.	6.5	23
26	Synthesis and spectroscopic studies of diaza-8-crown-4-dinitrophenyl ethers. <i>Supramolecular Chemistry</i> , 2020, 32, 13-22.	1.5	0
27	Intercalation of a Heterocyclic Ligand between Quartets in a Gâ€”Rich Tetrahelical Structure. <i>Chemistry - A European Journal</i> , 2020, 26, 814-817.	1.7	19
28	Preparation and Biophysical Characterization of Quercetin Inclusion Complexes with Î²-Cyclodextrin Derivatives to be Formulated as Possible Nose-to-Brain Quercetin Delivery Systems. <i>Molecular Pharmaceutics</i> , 2020, 17, 4241-4255.	2.3	35
29	On the interaction of an anticancer trisubstituted naphthalene diimide with G-quadruplexes of different topologies: a structural insight. <i>Nucleic Acids Research</i> , 2020, 48, 12380-12393.	6.5	19
30	Structure of a DNA G-Quadruplex Related to Osteoporosis with a G-A Bulge Forming a Pseudo-loop. <i>Molecules</i> , 2020, 25, 4867.	1.7	4
31	Modulation of non-bilayer lipid phases and the structure and functions of thylakoid membranes: effects on the water-soluble enzyme violaxanthin de-epoxidase. <i>Scientific Reports</i> , 2020, 10, 11959.	1.6	26
32	Structure, self-assembly, and properties of a truncated reflectin variant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32891-32901.	3.3	11
33	Systems View of Deconditioning During Spaceflight Simulation in the PlanHab Project: The Departure of Urine ¹ H-NMR Metabolomes From Healthy State in Young Males Subjected to Bedrest Inactivity and Hypoxia. <i>Frontiers in Physiology</i> , 2020, 11, 532271.	1.3	9
34	Quadruplex targets in neurodegenerative diseases. <i>Annual Reports in Medicinal Chemistry</i> , 2020, , 441-483.	0.5	1
35	Thrombin binding aptamer G-quadruplex stabilized by pyrene-modified nucleotides. <i>Nucleic Acids Research</i> , 2020, 48, 3975-3986.	6.5	32
36	4â€”Fluorinated RNA: Synthesis, Structure, and Applications as a Sensitive ¹⁹ F NMR Probe of RNA Structure and Function. <i>Journal of the American Chemical Society</i> , 2020, 142, 4739-4748.	6.6	30

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37	Interference of oleamide with analytical and bioassay results. <i>Scientific Reports</i> , 2020, 10, 2163.	1.6	20
38	Chasing Particularities of Guanine- and Cytosine-Rich DNA Strands. <i>Molecules</i> , 2020, 25, 434.	1.7	6
39	GC ends control topology of DNA G-quadruplexes and their cation-dependent assembly. <i>Nucleic Acids Research</i> , 2020, 48, 2749-2761.	6.5	19
40	Generic Method for Designing Self-Standing and Dual Porous 3D Bioscaffolds from Cellulosic Nanomaterials for Tissue Engineering Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 1197-1209.	2.3	42
41	Pre-folded structures govern folding pathways of human telomeric G-quadruplexes. <i>Nucleic Acids Research</i> , 2020, 48, 2189-2197.	6.5	23
42	Determination of d-Cycloserine Impurities in Pharmaceutical Dosage Forms: Comparison of the International Pharmacopoeia HPLC-UV Method and the DOSY NMR Method. <i>Molecules</i> , 2020, 25, 1684.	1.7	2
43	Co-crystals, Salts or Mixtures of Both? The Case of Tenofovir Alafenamide Fumarates. <i>Pharmaceutics</i> , 2020, 12, 342.	2.0	8
44	Structural Diversity of Sense and Antisense RNA Hexanucleotide Repeats Associated with ALS and FTL. <i>Molecules</i> , 2020, 25, 525.	1.7	12
45	G-quadruplex-mediated reduction of a pathogenic mitochondrial heteroplasmy. <i>Human Molecular Genetics</i> , 2019, 28, 3163-3174.	1.4	14
46	A dynamic i-motif with a duplex stem-loop in the long terminal repeat promoter of the HIV-1 proviral genome modulates viral transcription. <i>Nucleic Acids Research</i> , 2019, 47, 11057-11068.	6.5	34
47	Probing the Effects of Pyrimidine Functional Group Switches on Acyclic Fleximer Analogues for Antiviral Activity. <i>Molecules</i> , 2019, 24, 3184.	1.7	13
48	Lipid-polymorphism of plant thylakoid membranes. Enhanced non-bilayer lipid phases associated with increased membrane permeability. <i>Physiologia Plantarum</i> , 2019, 166, 278-287.	2.6	12
49	Energetic Basis of AGCGA-Rich DNA Folding into a Tetrahelical Structure. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2387-2391.	7.2	6
50	Solubilization of ibuprofen for freeze dried parenteral dosage forms. <i>Acta Pharmaceutica</i> , 2019, 69, 17-32.	0.9	6
51	Host-Guest Interactions between Candesartan and Its Prodrug Candesartan Cilexetil in Complex with 2-Hydroxypropyl- β -cyclodextrin: On the Biological Potency for Angiotensin II Antagonism. <i>Molecular Pharmaceutics</i> , 2019, 16, 1255-1271.	2.3	17
52	Towards Understanding of Polymorphism of the G-rich Region of Human Papillomavirus Type 52. <i>Molecules</i> , 2019, 24, 1294.	1.7	21
53	Energetic Basis of AGCGA-Rich DNA Folding into a Tetrahelical Structure. <i>Angewandte Chemie</i> , 2019, 131, 2409-2413.	1.6	1
54	Unique Structural Features of Mule Deer Prion Protein Provide Insights into Chronic Wasting Disease. <i>ACS Omega</i> , 2019, 4, 19913-19924.	1.6	5

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55	Two-quartet kit* G-quadruplex is formed via double-stranded pre-folded structure. <i>Nucleic Acids Research</i> , 2019, 47, 2641-2653.	6.5	36
56	Enabling adoption of 2D-NMR for the higher order structure assessment of monoclonal antibody therapeutics. <i>MAbs</i> , 2019, 11, 94-105.	2.6	67
57	Impact of Oxidative Lesions on the Human Telomeric G-Quadruplex. <i>Journal of the American Chemical Society</i> , 2019, 141, 2594-2603.	6.6	61
58	Methylation of selenocysteine catalysed by thiopurine S-methyltransferase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 182-190.	1.1	13
59	Pursuing origins of (poly)ethylene glycol-induced G-quadruplex structural modulations. <i>Nucleic Acids Research</i> , 2018, 46, 4301-4315.	6.5	44
60	Structural determinants of the SINE B2 element embedded in the long non-coding RNA activator of translation AS Uchl1. <i>Scientific Reports</i> , 2018, 8, 3189.	1.6	32
61	Small molecule purine and pseudopurine derivatives: synthesis, cytostatic evaluations and investigation of growth inhibitory effect in non-small cell lung cancer A549. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 271-285.	2.5	21
62	19F NMR studies provide insights into lipid membrane interactions of listeriolysin O, a pore forming toxin from <i>Listeria monocytogenes</i> . <i>Scientific Reports</i> , 2018, 8, 6894.	1.6	13
63	Recovery of the Formation and Function of Oxidized G-Quadruplexes by a Pyrene-Modified Guanine Tract. <i>Journal of the American Chemical Society</i> , 2018, 140, 5774-5783.	6.6	49
64	A combined variable temperature 600MHz NMR/MD study of the calcium release agent cyclic adenosine diphosphate ribose (cADPR): Structure, conformational analysis, and thermodynamics of the conformational equilibria. <i>Carbohydrate Research</i> , 2018, 455, 71-80.	1.1	1
65	Innentitelbild: Adenine-Driven Structural Switch from a Two- to Three-Quartet DNA G-Quadruplex (<i>Angew. Chem.</i> 47/2018). <i>Angewandte Chemie</i> , 2018, 130, 15508-15508.	1.6	0
66	NMR structure of a G-quadruplex formed by four d(G4C2) repeats: insights into structural polymorphism. <i>Nucleic Acids Research</i> , 2018, 46, 11605-11617.	6.5	34
67	Adenine-Driven Structural Switch from a Two- to Three-Quartet DNA G-Quadruplex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15395-15399.	7.2	26
68	Adenine-Driven Structural Switch from a Two- to Three-Quartet DNA G-Quadruplex. <i>Angewandte Chemie</i> , 2018, 130, 15621-15625.	1.6	8
69	Effect of Ribose Conformation on RNA Cleavage via Internal Transesterification. <i>Journal of the American Chemical Society</i> , 2018, 140, 11893-11897.	6.6	18
70	The General Explanation Method with NMR Spectroscopy Enables the Identification of Metabolite Profiles Specific for Normal and Tumor Cell Lines. <i>ChemBioChem</i> , 2018, 19, 2066-2071.	1.3	3
71	Intestinal Metagenomes and Metabolomes in Healthy Young Males: Inactivity and Hypoxia Generated Negative Physiological Symptoms Precede Microbial Dysbiosis. <i>Frontiers in Physiology</i> , 2018, 9, 198.	1.3	25
72	Molecular Interactions and Mechanisms in the 1H NMR Relaxation of Residual CHCl3 in Deuteriochloroform Solution of a Two-Chain Ionic Surfactant. <i>Journal of Solution Chemistry</i> , 2018, 47, 1246-1268.	0.6	3

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73	1H NMR metabolomics of microbial metabolites in the four MW agricultural biogas plant reactors: A case study of inhibition mirroring the acute rumen acidosis symptoms. <i>Journal of Environmental Management</i> , 2018, 222, 428-435.	3.8	14
74	Structure of a Stable G-Hairpin. <i>Journal of the American Chemical Society</i> , 2017, 139, 3591-3594.	6.6	51
75	Reversible Gas-Solid Ammonia N-H Bond Activation Mediated by an Organopalladium Complex. <i>Inorganic Chemistry</i> , 2017, 56, 5342-5351.	1.9	11
76	Tetrahelical structural family adopted by AGCGA-rich regulatory DNA regions. <i>Nature Communications</i> , 2017, 8, 15355.	5.8	50
77	Truncated prion protein PrP226* - A structural view on its role in amyloid disease. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 45-50.	1.0	13
78	Water-Soluble Colorimetric Amino[<i>bis</i> (ethanesulfonate)] Azobenzene pH Indicators: A UV-Vis Absorption, DFT, and ¹⁵ N NMR Spectroscopy Study. <i>ACS Omega</i> , 2017, 2, 6159-6166.	1.6	9
79	Lipid polymorphism in chloroplast thylakoid membranes as revealed by 31P-NMR and time-resolved merocyanine fluorescence spectroscopy. <i>Scientific Reports</i> , 2017, 7, 13343.	1.6	41
80	Coexistence of two main folded G-quadruplexes within a single G-rich domain in the EGFR promoter. <i>Nucleic Acids Research</i> , 2017, 45, 10132-10142.	6.5	37
81	Computational and NMR spectroscopy insights into the conformation of cyclic di-nucleotides. <i>Scientific Reports</i> , 2017, 7, 16550.	1.6	15
82	New Multiway Model for Identification of Crude Oil and Asphaltene Origin Based on Diffusion-Ordered Nuclear Magnetic Resonance Spectroscopy. <i>Energy & Fuels</i> , 2017, 31, 8095-8101.	2.5	14
83	The effect of single nucleotide polymorphisms in G-rich regions of high-risk human papillomaviruses on structural diversity of DNA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1229-1236.	1.1	21
84	ALS and FTD linked GGGGCC-repeat containing DNA oligonucleotide folds into two distinct G-quadruplexes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1237-1245.	1.1	24
85	Effects of metal ions and cosolutes on G-quadruplex topology. <i>Journal of Inorganic Biochemistry</i> , 2017, 166, 190-198.	1.5	57
86	Newly characterized interaction stabilizes DNA structure: oligoethylene glycols stabilize G-quadruplexes CH ⁺ interactions. <i>Nucleic Acids Research</i> , 2017, 45, 7021-7030.	6.5	23
87	Understanding the Effect of Disease-Related Mutations on Human Prion Protein Structure: Insights From NMR Spectroscopy. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 150, 83-103.	0.9	4
88	Analysis of Prion Protein Structure Using Nuclear Magnetic Resonance Spectroscopy. <i>Methods in Molecular Biology</i> , 2017, 1658, 35-49.	0.4	4
89	Reversible pH Switch of Two-Quartet G-Quadruplexes Formed by Human Telomere. <i>Angewandte Chemie</i> , 2016, 128, 2033-2037.	1.6	12
90	Reversible pH Switch of Two-Quartet G-Quadruplexes Formed by Human Telomere. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1993-1997.	7.2	50

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91	Structure and calcium-binding studies of calmodulin-like domain of human non-muscle β -actinin-1. <i>Scientific Reports</i> , 2016, 6, 27383.	1.6	22
92	Anti-sense DNA d(GGCCCC)n expansions in C9ORF72 form i-motifs and protonated hairpins. <i>Scientific Reports</i> , 2016, 5, 17944.	1.6	73
93	Synergistic complex from plants Solanaceae exhibits cytotoxicity for the human hepatocellular carcinoma cell line HepG2. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 395.	3.7	3
94	Biosimilar structural comparability assessment by NMR: from small proteins to monoclonal antibodies. <i>Scientific Reports</i> , 2016, 6, 32201.	1.6	40
95	Fullerenol nanoparticles as a new delivery system for doxorubicin. <i>RSC Advances</i> , 2016, 6, 38563-38578.	1.7	23
96	Colorimetric Naphthalene-Based Thiosemicarbazide Anion Chemosensors with an Internal Charge Transfer Mechanism. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4415-4422.	1.2	9
97	The N Terminus of the Prion Protein Mediates Functional Interactions with the Neuronal Cell Adhesion Molecule (NCAM) Fibronectin Domain. <i>Journal of Biological Chemistry</i> , 2016, 291, 21857-21868.	1.6	31
98	NMR Structure of a Triangulenium-Based Long-Lived Fluorescence Probe Bound to a G-Quadruplex. <i>Angewandte Chemie</i> , 2016, 128, 12696-12699.	1.6	14
99	NMR Structure of a Triangulenium-Based Long-Lived Fluorescence Probe Bound to a G-Quadruplex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12508-12511.	7.2	59
100	Small molecule probes finely differentiate between various ds- and ss-DNA and RNA by fluorescence, CD and NMR response. <i>Analytica Chimica Acta</i> , 2016, 940, 128-135.	2.6	15
101	Self-assembly of multilevel branched rutile-type TiO ₂ structures via oriented lateral and twin attachment. <i>Scientific Reports</i> , 2016, 6, 24216.	1.6	46
102	<i>KRAS</i> promoter oligonucleotide with decoy activity dimerizes into a unique topology consisting of two G-quadruplex units. <i>Nucleic Acids Research</i> , 2016, 44, 917-925.	6.5	47
103	G-quadruplex formation of oligonucleotides containing ALS and FTD related GGGGCC repeat. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 222-237.	2.3	7
104	Non-targeted chromatographic analyses of cuticular wax flavonoids from <i>Physalis alkekengi</i> L.. <i>Journal of Chromatography A</i> , 2016, 1437, 95-106.	1.8	27
105	Synthesis and Rotational Isomerism of 1-Substituted Methyl (<i>S</i>)-[5-(2-Nitrophenyl)-1 <i>H</i> -pyrazole-4-carbonyl]alaninates. <i>Journal of Organic Chemistry</i> , 2016, 81, 146-161.	1.7	6
106	STD NMR and molecular modelling insights into interaction of novel mannose-based ligands with DC-SIGN. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 862-875.	1.5	8
107	Interactions of two cytotoxic organoruthenium(II) complexes with G-quadruplex. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 70-77.	1.5	7
108	The cytosolic tail of the tumor marker protein Trop2 - a structural switch triggered by phosphorylation. <i>Scientific Reports</i> , 2015, 5, 10324.	1.6	20

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109	High resolution 4D HPCH experiment for sequential assignment of ¹³ C-labeled RNAs via phosphodiester backbone. <i>Journal of Biomolecular NMR</i> , 2015, 63, 291-298.	1.6	1
110	NMR spectral properties of the tetramantanes “ nanometer-sized diamondoids. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 1003-1018.	1.1	5
111	The Effect of DNA Sequence Directionality on G-Quadruplex Folding. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11716-11719.	7.2	35
112	One-pot click synthesis of 1,2,3-triazole-embedded unsaturated uracil derivatives and hybrids of 1,5- and 2,5-disubstituted tetrazoles and pyrimidines. <i>Tetrahedron Letters</i> , 2015, 56, 1222-1228.	0.7	13
113	Influence of solvent chemistry on ¹ H NMR spectral and relaxation properties of a long-chain ionic surfactant in chloroform-d. <i>Colloid and Polymer Science</i> , 2015, 293, 1409-1423.	1.0	3
114	Interactions of Pt-tpy with G-Quadruplexes Originating from Promoter Region of the c-myc Gene Deciphered by NMR and Gel Electrophoresis Analysis. <i>Chemistry - A European Journal</i> , 2015, 21, 7798-7807.	1.7	37
115	Solution structure of a DNA quadruplex containing ALS and FTD related GGGGCC repeat stabilized by 8-bromodeoxyguanosine substitution. <i>Nucleic Acids Research</i> , 2015, 43, 8590-8600.	6.5	59
116	Novel halogenated 3-deazapurine, 7-deazapurine and alkylated 9-deazapurine derivatives of l-ascorbic or imino-l-ascorbic acid: Synthesis, antitumor and antiviral activity evaluations. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 288-302.	2.6	13
117	Structural foundation for DNA behavior in hydrated ionic liquid: An NMR study. <i>Biochimie</i> , 2015, 108, 169-177.	1.3	22
118	UV-visible and ¹⁵ N NMR spectroscopic studies of colorimetric thiosemicarbazide anion sensors. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1662-1672.	1.5	28
119	Characterization of DNA G-quadruplex species forming from C9ORF72 G4C2-expanded repeats associated with amyotrophic lateral sclerosis and frontotemporal lobar degeneration. <i>Neurobiology of Aging</i> , 2015, 36, 1091-1096.	1.5	62
120	A tetrahelical DNA fold adopted by tandem repeats of alternating GGG and GCG tracts. <i>Nature Communications</i> , 2014, 5, 5831.	5.8	41
121	Influence of 3 ⁺ inversion of polarity site within d(TGGGGT) on inter quartet cation binding. <i>Journal of Molecular Structure</i> , 2014, 1075, 49-52.	1.8	2
122	Isolation, analysis and structures of phototoxic fagopyrins from buckwheat. <i>Food Chemistry</i> , 2014, 143, 432-439.	4.2	30
123	Aging and Ball-Milling as Low-Energy and Environmentally Friendly Methods for the Synthesis of Pd(II) Photosensitizers. <i>Organometallics</i> , 2014, 33, 1227-1234.	1.1	27
124	A sildenafil cocrystal based on acetylsalicylic acid exhibits an enhanced intrinsic dissolution rate. <i>CrystEngComm</i> , 2014, 16, 32-35.	1.3	59
125	Synthetic transporters for sulfate: a new method for the direct detection of lipid bilayer sulfate transport. <i>Chemical Science</i> , 2014, 5, 1118.	3.7	95
126	Multiple Solid Forms of 1,5-Bis(salicylidene)carbohydrazide: Polymorph-Modulated Thermal Reactivity. <i>Crystal Growth and Design</i> , 2014, 14, 2900-2912.	1.4	16

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127	A New Pathway of DNA G-Quadruplex Formation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4881-4884.	7.2	39
128	Formation of G-Wires: The Role of G:C-Base Pairing and G-Quartet Stacking. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23208-23215.	1.5	31
129	Identification and Characterization of Second-Generation Invader Locked Nucleic Acids (LNAs) for Mixed-Sequence Recognition of Double-Stranded DNA. <i>Journal of Organic Chemistry</i> , 2013, 78, 9560-9570.	1.7	32
130	Human Papillomavirus G-Quadruplexes. <i>Biochemistry</i> , 2013, 52, 7207-7216.	1.2	91
131	Ammonium Ion Binding to DNA G-Quadruplexes: Do Electrospray Mass Spectra Faithfully Reflect the Solution-Phase Species?. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1-8.	1.2	74
132	NMR structure of 2'-O-(2-methoxyethyl) modified and C5-methylated RNA dodecamer duplex. <i>Biochimie</i> , 2013, 95, 2385-2391.	1.3	2
133	G-rich VEGF aptamer with locked and unlocked nucleic acid modifications exhibits a unique G-quadruplex fold. <i>Nucleic Acids Research</i> , 2013, 41, 9524-9536.	6.5	82
134	Conformational analysis of E/Z-isomeric pairs of rosuvastatin and its lactonized analogues. <i>Tetrahedron</i> , 2013, 69, 6262-6268.	1.0	8
135	Conformational Analysis of Geometric Isomers of Pitavastatin Together with Their Lactonized Analogues. <i>Molecules</i> , 2013, 18, 13283-13296.	1.7	5
136	NMR Structural Studies of Human Cellular Prion Proteins. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 2407-2418.	1.0	12
137	Structural basis for the protective effect of the human prion protein carrying the dominant-negative E219K polymorphism. <i>Biochemical Journal</i> , 2012, 446, 243-251.	1.7	56
138	Strand directionality affects cation binding and movement within tetramolecular G-quadruplexes. <i>Nucleic Acids Research</i> , 2012, 40, 11047-11057.	6.5	39
139	What Can be Learned about the Structure and Dynamics of Biomolecules from NMR. , 2012, , 33-50.		1
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