

Pavol Cekan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,592
citations

361413

20
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1763
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of RNA-protein interaction networks using PAR-CLIP. Wiley Interdisciplinary Reviews RNA, 2012, 3, 159-177.	6.4	192
2	Relative Orientation of Rigid Nitroxides by PELDOR: Beyond Distance Measurements in Nucleic Acids. Angewandte Chemie - International Edition, 2009, 48, 3292-3295.	13.8	184
3	A Nucleoside That Contains a Rigid Nitroxide Spin Label: A Fluorophore in Disguise. Angewandte Chemie - International Edition, 2007, 46, 2655-2658.	13.8	138
4	Conformational Flexibility of DNA. Journal of the American Chemical Society, 2011, 133, 13375-13379.	13.7	107
5	Rigid spin-labeled nucleoside $\tilde{\text{A}}$: a nonperturbing EPR probe of nucleic acid conformation. Nucleic Acids Research, 2008, 36, 5946-5954.	14.5	80
6	Identification of Single-Base Mismatches in Duplex DNA by EPR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 18054-18056.	13.7	79
7	Multicolor microRNA FISH effectively differentiates tumor types. Journal of Clinical Investigation, 2013, 123, 2694-2702.	8.2	76
8	Studying RNA Using Site-Directed Spin-Labeling and Continuous-Wave Electron Paramagnetic Resonance Spectroscopy. Methods in Enzymology, 2009, 469, 303-328.	1.0	68
9	Folding of the cocaine aptamer studied by EPR and fluorescence spectroscopies using the bifunctional spectroscopic probe C. Nucleic Acids Research, 2009, 37, 3990-3995.	14.5	66
10	Identification of the RNA recognition element of the RBPMS family of RNA-binding proteins and their transcriptome-wide mRNA targets. Rna, 2014, 20, 1090-1102.	3.5	64
11	Single base interrogation by a fluorescent nucleotide: each of the four DNA bases identified by fluorescence spectroscopy. Chemical Communications, 2008, , 3393.	4.1	52
12	Analytical method to determine the orientation of rigid spin labels in DNA. Physical Review E, 2010, 81, 021911.	2.1	49
13	A Nonfluoro Nucleoside as a Sensitive ^{19}F NMR Probe of Nucleic Acid Conformation. Organic Letters, 2008, 10, 2745-2747.	4.6	46
14	Ferro- and antiferromagnetic exchange coupling constants in PELDOR spectra. Physical Chemistry Chemical Physics, 2009, 11, 6708.	2.8	45
15	RCC1-dependent activation of Ran accelerates cell cycle and DNA repair, inhibiting DNA damage-induced cell senescence. Molecular Biology of the Cell, 2016, 27, 1346-1357.	2.1	39
16	Flexibility and conformation of the cocaine aptamer studied by PELDOR. Physical Chemistry Chemical Physics, 2016, 18, 2993-3002.	2.8	38
17	A Nucleoside That Contains a Rigid Nitroxide Spin Label: A Fluorophore in Disguise. Angewandte Chemie, 2007, 119, 2709-2712.	2.0	34
18	Crystal structure of a DNA containing the planar, phenoxazine-derived bi-functional spectroscopic probe $\tilde{\text{A}}$. Nucleic Acids Research, 2011, 39, 4419-4426.	14.5	30

#	ARTICLE	IF	CITATIONS
19	A SARS-CoV-2 mutant from B.1.258 lineage with Δ H69/ Δ V70 deletion in the Spike protein circulating in Central Europe in the fall 2020. <i>Virus Genes</i> , 2021, 57, 556-560.	1.6	27
20	Surveillance of SARS-CoV-2 lineage B.1.1.7 in Slovakia using a novel, multiplexed RT-qPCR assay. <i>Scientific Reports</i> , 2021, 11, 20494.	3.3	24
21	Conformational Equilibria of Bulged Sites in Duplex DNA Studied by EPR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2664-2675.	2.6	19
22	Determination of helix orientations in a flexible DNA by multi-frequency EPR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29801-29811.	2.8	18
23	Microscopic rate-constants for substrate binding and acylation in cold-adaptation of trypsin I from Atlantic cod. <i>FEBS Letters</i> , 2006, 580, 4639-4644.	2.8	17
24	A non-radioactive, improved PAR-CLIP and small RNA cDNA library preparation protocol. <i>Nucleic Acids Research</i> , 2021, 49, e45-e45.	14.5	16
25	Conformation and dynamics of nucleotides in bulges and symmetric internal loops in duplex DNA studied by EPR and fluorescence spectroscopies. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 656-661.	2.1	13
26	Multiplexed miRNA Fluorescence In Situ Hybridization for Formalin-Fixed Paraffin-Embedded Tissues. <i>Methods in Molecular Biology</i> , 2014, 1211, 171-187.	0.9	13
27	Theory for Spin ρ Lattice Relaxation of Spin Probes on Weakly Deformable DNA. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9219-9236.	2.6	6
28	Sequential development of several RT-qPCR tests using LNA nucleotides and dual probe technology to differentiate SARS-CoV-2 from influenza A and B. <i>Microbial Biotechnology</i> , 2022, 15, 1995-2021.	4.2	6