

Slobodan Macura

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10923324/publications.pdf>

Version: 2024-02-01

58
papers

2,087
citations

218677

26
h-index

233421

45
g-index

59
all docs

59
docs citations

59
times ranked

2006
citing authors

#	ARTICLE	IF	CITATIONS
1	Transverse relaxation in fixed tissue: Influence of temperature and resolution on image contrast in magnetic resonance microscopy. <i>NMR in Biomedicine</i> , 2022, , e4747.	2.8	0
2	Deletion of Beta α 2 α Microglobulin Ameliorates Spinal Cord Lesion Load and Promotes Recovery of Brainstem NAA Levels in a Murine Model of Multiple Sclerosis. <i>Brain Pathology</i> , 2012, 22, 698-708.	4.1	13
3	Electron spray ionization mass spectrometry and 2D 31P NMR for monitoring 18O/16O isotope exchange and turnover rates of metabolic oligophosphates. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 697-706.	3.7	13
4	18O-assisted dynamic metabolomics for individualized diagnostics and treatment of human diseases. <i>Croatian Medical Journal</i> , 2012, 53, 529-534.	0.7	26
5	31P NMR correlation maps of 18O/16O chemical shift isotopic effects for phosphometabolite labeling studies. <i>Journal of Biomolecular NMR</i> , 2011, 50, 237-245.	2.8	11
6	Molecular Basis for the Association of Human E4B U Box Ubiquitin Ligase with E2-Conjugating Enzymes UbcH5c and Ubc4. <i>Structure</i> , 2010, 18, 955-965.	3.3	45
7	Structural Basis of Ubiquitin Recognition by Translesion Synthesis DNA Polymerase $\hat{1}$. <i>Biochemistry</i> , 2010, 49, 10198-10207.	2.5	28
8	Brainstem ¹ H nuclear magnetic resonance (NMR) spectroscopy: Marker of demyelination and repair in spinal cord. <i>Annals of Neurology</i> , 2009, 66, 559-564.	5.3	20
9	Directly observed hydrogen bonds at calcium-binding-sites of calmodulin in solution relate to affinity of the calcium-binding. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1415-1418.	3.5	0
10	H-bonding mediates polarization of peptide groups in folded proteins. <i>Protein Science</i> , 2009, 12, 2633-2636.	7.6	6
11	Stereochemistry and conformations of natural 1,2-epoxy-guaianolides based on 1D and 2D NMR data and semiempirical calculations. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 427-431.	1.9	11
12	Structural dependencies of protein backbone ² <i>J</i> _{NCα2 couplings. <i>Protein Science</i>, 2008, 17, 768-776.}	7.6	7
13	KATP channel knockout worsens myocardial calcium stress load in vivo and impairs recovery in stunned heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1706-H1713.	3.2	54
14	Solvent-induced differentiation of protein backbone hydrogen bonds in calmodulin. <i>Protein Science</i> , 2007, 16, 1329-1337.	7.6	9
15	Three-Dimensional Structure of the Water-Insoluble Protein Crambin in Dodecylphosphocholine Micelles and Its Minimal Solvent-Exposed Surface. <i>Journal of the American Chemical Society</i> , 2006, 128, 4398-4404.	13.7	28
16	Cytotoxic constituents of <i>Achillea clavennae</i> from Montenegro. <i>Phytochemistry</i> , 2006, 67, 887-893.	2.9	74
17	Sesquiterpene lactones from the aerial parts of <i>Anthemis arvensis</i> L.. <i>Biochemical Systematics and Ecology</i> , 2006, 34, 303-309.	1.3	15
18	Calcium-binding proteins afford calibration of dihedral-angle dependence of coupling constant in aspartate and asparagine residues. <i>Journal of Magnetic Resonance</i> , 2005, 175, 222-225.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Sesquiterpene lactones and flavonoids of <i>Achillea depressa</i> . <i>Biochemical Systematics and Ecology</i> , 2005, 33, 317-322.	1.3	28
20	Structural Basis of BACH1 Phosphopeptide Recognition by BRCA1 Tandem BRCT Domains. <i>Structure</i> , 2004, 12, 1137-1146.	3.3	87
21	Mapping hypoxia-induced bioenergetic rearrangements and metabolic signaling by ¹⁸ O-assisted ³¹ P NMR and ¹ H NMR spectroscopy. <i>Molecular and Cellular Biochemistry</i> , 2004, 256, 281-289.	3.1	39
22	Structural characterization of pure Na-nephelins synthesized by zeolite conversion route. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1623-1633.	4.0	51
23	Adenylate kinase AK1 knockout heart: energetics and functional performance under ischemia-reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H776-H782.	3.2	52
24	Structural Dependencies of ³ JNC-Scalar Coupling in Protein H-Bond Chains. <i>Journal of the American Chemical Society</i> , 2002, 124, 14221-14226.	13.7	42
25	Correlations among ¹ JNC and ³ JNC Coupling Constants in the Hydrogen-Bonding Network of Human Ubiquitin. <i>Journal of the American Chemical Society</i> , 2001, 123, 4099-4100.	13.7	36
26	Cellular Energetics in the Preconditioned State. <i>Journal of Biological Chemistry</i> , 2001, 276, 44812-44819.	3.4	91
27	Further sesquiterpene lactones from <i>Anthemis carpatica</i> . <i>Phytochemistry</i> , 2000, 54, 625-633.	2.9	19
28	Compromised Energetics in the Adenylate Kinase AK1 Gene Knockout Heart under Metabolic Stress. <i>Journal of Biological Chemistry</i> , 2000, 275, 41424-41429.	3.4	75
29	Structure-fluorescence correlations in a single tryptophan mutant of carp parvalbumin: solution structure, backbone and side-chain dynamics. <i>Journal of Molecular Biology</i> , 2000, 297, 147-163.	4.2	34
30	Quantitative Determination of Magnetization Exchange Rate Constants from a Series of Two-Dimensional Exchange NMR Spectra. <i>Journal of Chemical Information and Computer Sciences</i> , 2000, 40, 611-621.	2.8	32
31	A structural water molecule in the family of fatty acid binding proteins. <i>Protein Science</i> , 2000, 9, 497-504.	7.6	43
32	Highly oxygenated guaianolides from <i>Anthemis cretica</i> subsp. <i>cretica</i> . <i>Phytochemistry</i> , 1999, 50, 287-291.	2.9	29
33	Flavones and Sesquiterpene Lactones from <i>Achillea atratas</i> subsp. <i>multifida</i> : Antimicrobial Activity. <i>Journal of Natural Products</i> , 1999, 62, 909-911.	3.0	83
34	Full matrix Analysis of Cross-relaxation Fails in Fractionally Deuterated Molecules. <i>Journal of Biomolecular NMR</i> , 1998, 12, 333-337.	2.8	5
35	Elucidation of Deceptively Slow Magnetization Exchange between Protein Labile Protons and Water by Dilution-Enhanced Exchange Spectroscopy. <i>Journal of the American Chemical Society</i> , 1998, 120, 9963-9964.	13.7	1
36	Chapter 13 Homonuclear two-dimensional cross-relaxation spectroscopy. <i>Analytical Spectroscopy Library</i> , 1997, , 265-302.	0.1	1

#	ARTICLE	IF	CITATIONS
37	Least-Squares Method for Quantitative Determination of Chemical Exchange and Cross-Relaxation Rate Constants from a Series of Two-Dimensional Exchange NMR Spectra. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3707-3710.	2.5	10
38	Identification of spin diffusion pathways in proteins by isotope-assisted NMR cross-relaxation network editing. <i>Journal of Biomolecular NMR</i> , 1997, 9, 317-322.	2.8	8
39	Protein-Solvent Hydrogen Bonding Studied by NMR ^1JNC Coupling Constant Determination and Molecular Dynamics Simulations. <i>Journal of the American Chemical Society</i> , 1996, 118, 7859-7860.	13.7	29
40	Zooming, a Practical Strategy for Improving the Quality of Multidimensional NMR Spectra. <i>Journal of Magnetic Resonance Series A</i> , 1996, 119, 53-64.	1.6	8
41	Diterpenes from <i>Achillea clypeolata</i> . <i>Phytochemistry</i> , 1996, 43, 169-171.	2.9	19
42	Magnetization exchange network editing: mathematical principles and experimental demonstration. <i>Chemical Physics</i> , 1995, 200, 161-179.	1.9	19
43	Trinucleotide repeats that expand in human disease form hairpin structures in vitro. <i>Cell</i> , 1995, 81, 533-540.	28.9	562
44	Hydrogen Bonding Networks in Proteins As Revealed by the Amide ^1JNC Coupling Constant. <i>Journal of the American Chemical Society</i> , 1995, 117, 405-410.	13.7	65
45	[3] Two-dimensional exchange spectroscopy of proteins. <i>Methods in Enzymology</i> , 1994, 239, 106-144.	1.0	32
46	Hairpin Formation within the Human Enkephalin Enhancer Region. 2. Structural Studies. <i>Biochemistry</i> , 1994, 33, 11960-11970.	2.5	14
47	Topological Editing of Cross-Relaxation Networks. <i>Israel Journal of Chemistry</i> , 1992, 32, 245-256.	2.3	16
48	Complete elimination of spin diffusion from selected resonances in two-dimensional cross-relaxation spectra of macromolecules by a novel pulse sequence (SNOESY). <i>Journal of the American Chemical Society</i> , 1992, 114, 1523-1524.	13.7	28
49	Evaluation of errors of interproton distances and correlation time determined from NMR cross-relaxation rates. <i>Journal of Biomolecular NMR</i> , 1992, 2, 573-582.	2.8	9
50	Refinement of the NMR solution structure of a protein to remove distortions arising from neglect of internal motion. <i>Biochemistry</i> , 1991, 30, 3807-3811.	2.5	28
51	Sesquiterpene lactones from <i>Achillea crithmifolia</i> . <i>Phytochemistry</i> , 1991, 30, 3464-3466.	2.9	27
52	Strategies for eliminating unwanted cross-relaxation and coherence-transfer effects from two-dimensional chemical-exchange spectra. <i>Journal of Magnetic Resonance</i> , 1991, 92, 20-29.	0.5	8
53	Elimination of cross-relaxation effects from two-dimensional chemical-exchange spectra of macromolecules. <i>Journal of the American Chemical Society</i> , 1990, 112, 2574-2577.	13.7	44
54	Sesquiterpene lactones from <i>Achillea abrotanoides</i> . <i>Phytochemistry</i> , 1989, 28, 1765-1767.	2.9	17

#	ARTICLE	IF	CITATIONS
55	Two-dimensional NMR spectra of sesquiterpenes. ¹³ C-NOESY study of some sesquiterpene lactones with pseudoguaianolide, 3,4-seco-pseudoguaianolide and guaianolide skeletons. <i>Magnetic Resonance in Chemistry</i> , 1988, 26, 725-728.	1.9	4
56	Two-dimensional NMR spectra of sesquiterpenes. ¹³ C-NOESY study of caryophyllenes from <i>Inula spiraeifolia</i> . <i>Magnetic Resonance in Chemistry</i> , 1987, 25, 889-891.	1.9	3
57	Homocuclear relayed double-quantum 2D NMR spectroscopy of polymyxin B in H ₂ O. <i>Journal of Magnetic Resonance</i> , 1984, 60, 99-105.	0.5	5
58	Combined use of COSY and double quantum two-dimensional NMR spectroscopy for elucidation of spin systems in polymyxin B. <i>Biochemical and Biophysical Research Communications</i> , 1983, 117, 486-492.	2.1	14