

Sabine Bouguet-Bonnet

List of Publications by Year in descending order

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41
papers

864
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623574

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477173

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all docs

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42
times ranked

1238
citing authors

#	ARTICLE	IF	CITATIONS
1	The Molecular Bases of the Interaction between a Saponin from the Roots of <i>Gypsophila paniculata</i> L. and Model Lipid Membranes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3397.	1.8	3
2	Co-assembly and multicomponent hydrogel formation upon mixing nucleobase-containing peptides. <i>Nanoscale</i> , 2021, 13, 10566-10578.	2.8	14
3	Molecular Identification of Endophytic Bacteria in <i>Leucosium aestivum</i> In Vitro Culture, NMR-Based Metabolomics Study and LC-MS Analysis Leading to Potential Amaryllidaceae Alkaloid Production. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1773.	1.8	14
4	Polymer functionalization through an enzymatic process: Intermediate products characterization and their grafting onto gum Arabic. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 480-491.	3.6	3
5	Differential scanning calorimetry and NMR study of water confined in a mesoporous bioactive glass. <i>Microporous and Mesoporous Materials</i> , 2021, 316, 110922.	2.2	6
6	Mn-Doped Quinary Ag ⁺ In ³⁺ Ga ³⁺ Zn ²⁺ S Quantum Dots for Dual-Modal Imaging. <i>ACS Omega</i> , 2021, 6, 33100-33110.	1.6	5
7	Improving and fine-tuning the properties of peptide-based hydrogels <i>via</i> incorporation of peptide nucleic acids. <i>Nanoscale</i> , 2020, 12, 19905-19917.	2.8	23
8	High-Relaxivity Gd(III)-Hemicryptophane Complex. <i>Organic Letters</i> , 2019, 21, 1999-2003.	2.4	12
9	Increased synthesis of a new oleanane-type saponin in hairy roots of marigold (<i>Calendula</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.8	9
10	Bridging Structural and Dynamical Models of a Confined Sodium Nitroprusside Complex. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21883-21890.	1.5	6
11	A new liquid chromatography-high resolution Orbitrap mass spectrometry-based strategy to characterize Glucuronide Oleanane-type Triterpenoid Carboxylic Acid 3, 28-O-Bidesmosides (GOTCAB) saponins. A case study of <i>Gypsophila glomerata</i> Pall ex M. B. (Caryophyllaceae). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 567-581.	1.4	10
12	Direct ¹ H NMR evidence of spin-rotation coupling as a source of para-ortho-H ₂ conversion in diamagnetic solvents. <i>Journal of Chemical Physics</i> , 2017, 146, 154203.	1.2	11
13	Functionalization of pectin with laccase-mediated oxidation products of ferulic acid. <i>Enzyme and Microbial Technology</i> , 2017, 104, 1-8.	1.6	23
14	Nuclear Magnetic Resonance. Second Edition. By Peter Hore. Oxford University Press, 2015. Pp. 120. Price GBP 14.99. ISBN 9780198703419.. <i>Journal of Applied Crystallography</i> , 2017, 50, 1243-1243.	1.9	0
15	Membrane fluidity does not explain how solvents act on the middle-ear reflex. <i>NeuroToxicology</i> , 2016, 57, 13-21.	1.4	7
16	Electron Spin Polarization Transfer to <i>ortho</i> -H ₂ by Interaction of <i>para</i> -H ₂ with Paramagnetic Species: A Key to a Novel <i>para</i> - <i>ortho</i> Conversion Mechanism. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1611-1615.	2.1	9
17	Analysis of ¹⁵ N- ¹ H NMR Relaxation in Proteins by a Combined Experimental and Molecular Dynamics Simulation Approach: Picosecond-Nanosecond Dynamics of the Rho GTPase Binding Domain of Plexin-B1 in the Dimeric State Indicates Allosteric Pathways. <i>Journal of Physical Chemistry B</i> , 2013, 117, 174-184.	1.2	28
18	New Application of Proton Nuclear Spin Relaxation Unraveling the Intermolecular Structural Features of Low-Molecular-Weight Organogel Fibers. <i>Journal of the American Chemical Society</i> , 2012, 134, 10621-10627.	6.6	23

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19	Relaxometry experiments and analysis of dispersion curves: An illustrative example of toluene in liquid and in organogel phases. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2012, 40A, 80-89.	0.2	9
20	Combining NMR and Molecular Dynamics Studies for Insights into the Allostery of Small GTPase-Protein Interactions. <i>Methods in Molecular Biology</i> , 2012, 796, 235-259.	0.4	31
21	Solvent Dynamical Behavior in an Organogel Phase As Studied by NMR Relaxation and Diffusion Experiments. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2511-2517.	1.2	26
22	Water Behavior in Mesoporous Materials As Studied by NMR Relaxometry. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9941-9946.	1.1	17
23	Carbon-13 Heteronuclear Longitudinal Spin Relaxation for Geometrical (and Stereochemical) Determinations in Small or Medium Size Molecules. <i>Annual Reports on NMR Spectroscopy</i> , 2011, 74, 89-123.	0.7	5
24	Creation and evolution of net proton hyperpolarization arising from para-hydrogenation. <i>Journal of Magnetic Resonance</i> , 2011, 210, 107-112.	1.2	14
25	Location of a Metallic Cation Complexed in a Calixarene Cavity As Determined by Calixarene ¹³ C Spin Relaxation. Application to Cesium and Thallium Complexed by p-Sulfonatocalix[4]arene in Water. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3499-3503.	1.2	10
26	Behavior of Cesium and Thallium Cations inside a Calixarene Cavity As Probed by Nuclear Spin Relaxation. Evidence of Cation-π Interactions in Water. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10800-10807.	1.2	32
27	Effect of the static magnetic field strength on parahydrogen induced polarization NMR spectra. <i>Journal of Chemical Physics</i> , 2009, 130, 234507.	1.2	17
28	Selective HOESY experiments for stereochemical determinations. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 939-942.	1.1	3
29	Compensatory and Long-Range Changes in Picosecond-Nanosecond Main-Chain Dynamics upon Complex Formation: ¹⁵ N Relaxation Analysis of the Free and Bound States of the Ubiquitin-like Domain of Human Plexin-B1 and the Small GTPase Rac1. <i>Journal of Molecular Biology</i> , 2008, 377, 1474-1487.	2.0	50
30	Solution Structure and Backbone Dynamics of the Reduced Form and an Oxidized Form of E. coli Methionine Sulfoxide Reductase A (MsrA): Structural Insight of the MsrA Catalytic Cycle. <i>Journal of Molecular Biology</i> , 2007, 366, 193-206.	2.0	24
31	About Long-Lived Nuclear Spin States Involved in Para-Hydrogenated Molecules. <i>Journal of the American Chemical Society</i> , 2007, 129, 1445-1449.	6.6	55
32	Unraveling protein dynamics through fast spectral density mapping. <i>Journal of Biomolecular NMR</i> , 2007, 37, 159-177.	1.6	5
33	Importance of the CMAP Correction to the CHARMM22 Protein Force Field: Dynamics of Hen Lysozyme. <i>Biophysical Journal</i> , 2006, 90, L36-L38.	0.2	321
34	¹ H, ¹⁵ N, ¹³ C assignments for the activated form of the small Rho-GTPase Rac1. <i>Journal of Biomolecular NMR</i> , 2006, 36, 51-51.	1.6	4
35	HMBC-like experiment based on longitudinal <i>c</i> _{sa} /dipolar cross-correlation.. <i>Journal of Magnetic Resonance</i> , 2005, 173, 29-33.	1.2	2
36	The concept of effective correlation times for describing backbone motions in proteins. Part I. A residue-per-residue self-consistent analysis of multifield ¹⁵ N relaxation parameters. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2005, 24A, 1-9.	0.2	3

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37	The concept of effective correlation times for describing backbone motions in proteins. Part II. Tentative interpretation of the residue-specific correlation time in terms of overall rotation-diffusion. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2005, 24A, 10-16.	0.2	1
38	On the calculation of cross-correlation spectral density functions within the model-free approach. Concepts in Magnetic Resonance, 2003, 19A, 65-70.	1.3	5
39	Simulation of radio-frequency field inhomogeneity effects: application to pulse trains aimed at the determination of CSA-dipolar interference terms. Magnetic Resonance in Chemistry, 2003, 41, 769-775.	1.1	2
40	An alternative spin-state-selective pulse sequence element. Magnetic Resonance in Chemistry, 2003, 41, 1030-1033.	1.1	2
41	Total assignment of ^1H and ^{13}C NMR spectra of three triterpene saponins from roots of <i>Silene vulgaris</i> (Moench) Garcke. Magnetic Resonance in Chemistry, 2002, 40, 618-621.	1.1	20