

Raphael Stoll

List of Publications by Year in descending order

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papers

944
citations

643344

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times ranked

1441
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysical Characterization of Pro-apoptotic BimBH3 Peptides Reveals an Unexpected Capacity for Self-Association. <i>Structure</i> , 2021, 29, 114-124.e3.	1.6	10
2	Structural insights into photosystem II assembly. <i>Nature Plants</i> , 2021, 7, 524-538.	4.7	102
3	Sequence-Selective Covalent CaaX-Box Receptors Prevent Farnesylation of Oncogenic Ras Proteins and Impact MAPK/PI3K Signaling. <i>ChemMedChem</i> , 2021, 16, 2504-2514.	1.6	3
4	Design, Synthesis and Bioactivity of Benzimidazole-Carbamates as Soil-Borne Anti-Fungal Agents. <i>Chemistry Proceedings</i> , 2020, 3, .	0.1	2
5	The binding affinity of PTPN13's tandem PDZ2/3 domain is allosterically modulated. <i>BMC Molecular and Cell Biology</i> , 2019, 20, 23.	1.0	3
6	A halogen-bonding-catalysed Nazarov cyclisation reaction. <i>Chemical Communications</i> , 2019, 55, 8262-8265.	2.2	46
7	Targeting the "undruggable" RAS - new strategies - new hope?. , 2019, 2, 813-826.		2
8	Design, synthesis, and antimicrobial evaluation of novel 2-arylbenzothiazole analogs bearing fluorine and piperazine moieties. <i>Monatshefte für Chemie</i> , 2018, 149, 645-651.	0.9	7
9	The Structure in Solution of Fibronectin Type III Domain 14 Reveals Its Synergistic Heparin Binding Site. <i>Biochemistry</i> , 2018, 57, 6045-6049.	1.2	6
10	Molecular Basis of Class III Ligand Recognition by PDZ3 in Murine Protein Tyrosine Phosphatase PTPN13. <i>Journal of Molecular Biology</i> , 2018, 430, 4275-4292.	2.0	4
11	Allosteric Activation of GDP-Bound Ras Isoforms by Bisphenol Derivative Plasticisers. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1133.	1.8	11
12	Zn ²⁺ -triggered self-assembly of Gonadorelin [6-D-Phe] to produce nanostructures and fibrils. <i>Scientific Reports</i> , 2018, 8, 11280.	1.6	6
13	Rheb in neuronal degeneration, regeneration, and connectivity. <i>Biological Chemistry</i> , 2017, 398, 589-606.	1.2	15
14	The small GTPases Ras and Rheb studied by multidimensional NMR spectroscopy: structure and function. <i>Biological Chemistry</i> , 2017, 398, 577-588.	1.2	15
15	NMR-based Drug Development and Improvement Against Malignant Melanoma - Implications for the MIA Protein Family. <i>Current Medicinal Chemistry</i> , 2017, 24, 1788-1796.	1.2	4
16	Design, Synthesis, and Cytotoxicity of 5-Fluoro-2-methyl-6-(4-aryl-piperazin-1-yl) Benzoxazoles. <i>Molecules</i> , 2016, 21, 1290.	1.7	7
17	The cyanobacterial cytochrome b6f subunit PetP adopts an SH3 fold in solution. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 705-714.	0.5	7
18	NOE distance and dihedral angle restraints to calculate the solution structure of the NDH-1 complex subunit CupS from <i>Thermosynechococcus elongatus</i> . <i>Data in Brief</i> , 2016, 6, 249-252.	0.5	1

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19	The Bisphenol A analogue Bisphenol S binds to Ras4B – implications for BPA-free™ plastics. FEBS Letters, 2016, 590, 369-375.	1.3	14
20	STD-NMR-Based Protein Engineering of the Unique Arylpropionate-Racemase AMDase G74C. ChemBioChem, 2015, 16, 1943-1949.	1.3	15
21	Solution structure of the NDH-1 complex subunit CupS from Thermosynechococcus elongatus. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1212-1219.	0.5	7
22	¹ H, ¹³ C and ¹⁵ N chemical shift assignments of the NDH-1 complex subunit CupS. Biomolecular NMR Assignments, 2015, 9, 169-171.	0.4	1
23	Solid phase synthesis, NMR structure determination of KTx3.8, its in silico docking to Kv1.x potassium channels, and electrophysiological analysis provide insights into toxin-channel selectivity. Toxicon, 2015, 101, 70-78.	0.8	9
24	Sequence-Selective Molecular Recognition of the C-Terminal CaaX-Boxes of Rheb and Related Ras-Proteins by Synthetic Receptors. ACS Chemical Biology, 2014, 9, 1755-1763.	1.6	2
25	Bisphenol A Binds to Ras Proteins and Competes with Guanine Nucleotide Exchange: Implications for GTPase-Selective Antagonists. Journal of Medicinal Chemistry, 2013, 56, 9664-9672.	2.9	38
26	Ras and Rheb Signaling in Survival and Cell Death. Cancers, 2013, 5, 639-661.	1.7	25
27	Targeting Melanoma Metastasis and Immunosuppression with a New Mode of Melanoma Inhibitory Activity (MIA) Protein Inhibition. PLoS ONE, 2012, 7, e37941.	1.1	23
28	³¹ P-Adenosylmethionine-Binding Properties of a Bacterial Phospholipid ³ -Methyltransferase. Journal of Bacteriology, 2011, 193, 3473-3481.	1.0	21
29	Sequence-specific ¹ H, ¹³ C, and ¹⁵ N assignment of the extended PDZ3 domain of the protein tyrosine phosphatase basophil-like PTP-BL. Biomolecular NMR Assignments, 2010, 4, 199-202.	0.4	3
30	Ras Homolog Enriched in Brain (Rheb) Enhances Apoptotic Signaling*. Journal of Biological Chemistry, 2010, 285, 33979-33991.	1.6	49
31	Structure of the Wilms Tumor Suppressor Protein Zinc Finger Domain Bound to DNA. Journal of Molecular Biology, 2007, 372, 1227-1245.	2.0	91
32	Sequence-specific ¹ H, ¹³ C, and ¹⁵ N backbone assignment of the GTPase rRheb in its GDP-bound form. Biomolecular NMR Assignments, 2007, 1, 45-47.	0.4	10
33	Sequence-specific ¹ H, ¹³ C, and ¹⁵ N backbone assignment of the activated 21 kDa GTPase rRheb. Biomolecular NMR Assignments, 2007, 1, 105-108.	0.4	8
34	Sequence-specific ¹ H, ¹³ C, and ¹⁵ N backbone assignment of the 28 kDa PDZ2/PDZ3 tandem domain of the protein tyrosine phosphatase PTP-BL. Biomolecular NMR Assignments, 2007, 1, 151-153.	0.4	4
35	Detailed analysis of MIA protein by mutagenesis. Biological Chemistry, 2006, 387, 1601-6.	1.2	7
36	Preliminary structural characterisation of the 33 kDa protein (PsbO) in solution studied by site-directed mutagenesis and NMR spectroscopy. Physical Chemistry Chemical Physics, 2004, 6, 4878-4881.	1.3	25

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37	Backbone dynamics of the human MIA protein studied by ¹⁵ N NMR relaxation: Implications for extended interactions of SH3 domains. <i>Protein Science</i> , 2003, 12, 510-519.	3.1	26
38	Chalcone Derivatives Antagonize Interactions between the Human Oncoprotein MDM2 and p53. <i>Biochemistry</i> , 2001, 40, 336-344.	1.2	279
39	Sequence-specific ¹ H, ¹³ C, and ¹⁵ N assignment of the human melanoma inhibitory activity (MIA) protein. <i>Journal of Biomolecular NMR</i> , 2000, 17, 87-88.	1.6	21
40	Sequence-specific ¹ H, ¹⁵ N, and ¹³ C assignment of the N-terminal domain of the human oncoprotein MDM2 that binds to p53. <i>Journal of Biomolecular NMR</i> , 2000, 17, 91-92.	1.6	13