Raphael Stoll

List of Publications by Year
in descending order

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40	944	567247 15	454934 30
papers	citations	h-index	g-index

41	41	41	1306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biophysical Characterization of Pro-apoptotic BimBH3 Peptides Reveals an Unexpected Capacity for Self-Association. Structure, 2021, 29, 114-124.e3.	3.3	10
2	Structural insights into photosystem II assembly. Nature Plants, 2021, 7, 524-538.	9.3	102
3	Sequenceâ€Selective Covalent CaaXâ€Box Receptors Prevent Farnesylation of Oncogenic Ras Proteins and Impact MAPK/PI3â€...K Signaling. ChemMedChem, 2021, 16, 2504-2514.	3.2	3
4	Design, Synthesis and Bioactivity of Benzimidazoleâ€“2â€“Carbamates as Soilâ€“Borne Antiâ€“Fungal Agents â€,â€¡. Chemistry Proceedings, 2020, 3, .	0.1	2
5	The binding affinity of PTPN13â€™s tandem PDZ2/3 domain is allosterically modulated. BMC Molecular and Cell Biology, 2019, 20, 23.	2.0	3
6	A halogen-bonding-catalysed Nazarov cyclisation reaction. Chemical Communications, 2019, 55, 8262-8265.	4.1	46
7	Targeting the â€œundruggableâ€•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. Monatshefte FÃ¼r Chemie, 2018, 149, 645-651.	1.8	7
9	The Structure in Solution of Fibronectin Type III Domain 14 Reveals Its Synergistic Heparin Binding Site. Biochemistry, 2018, 57, 6045-6049.	2.5	6
10	Molecular Basis of Class III Ligand Recognition by PDZ3 in Murine Protein Tyrosine Phosphatase PTPN13. Journal of Molecular Biology, 2018, 430, 4275-4292.	4.2	4
11	Allosteric Activation of GDP-Bound Ras Isoforms by Bisphenol Derivative Plasticisers. International Journal of Molecular Sciences, 2018, 19, 1133.	4.1	11
12	Zn2+-triggered self-assembly of Gonadorelin [6-D-Phe] to produce nanostructures and fibrils. Scientific Reports, 2018, 8, 11280.	3.3	6
13	Rheb in neuronal degeneration, regeneration, and connectivity. Biological Chemistry, 2017, 398, 589-606.	2.5	15
14	The small GTPases Ras and Rheb studied by multidimensional NMR spectroscopy: structure and function. Biological Chemistry, 2017, 398, 577-588.	2.5	15
15	NMR-based Drug Development and Improvement Against Malignant Melanoma â€“ Implications for the MIA Protein Family. Current Medicinal Chemistry, 2017, 24, 1788-1796.	2.4	4
16	Design, Synthesis, and Cytotoxicity of 5-Fluoro-2-methyl-6-(4-aryl-piperazin-1-yl) Benzoxazoles. Molecules, 2016, 21, 1290.	3.8	7
17	The cyanobacterial cytochrome b6f subunit PetP adopts an SH3 fold in solution. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 705-714.	1.0	7
18	NOE distance and dihedral angle restraints to calculate the solution structure of the NDH-1 complex subunit CupS from Thermosynechococcus elongatus. Data in Brief, 2016, 6, 249-252.	1.0	1

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19	The Bisphenol A analogue Bisphenol S binds to Kâ€Ras4B â€“ implications for â€˜<scp>BPA</scp>â€freeâ€™ plastics. FEBS Letters, 2016, 590, 369-375.	2.8	14
20	STDâ€NMRâ€Based Protein Engineering of the Unique Arylpropionateâ€Racemase AMDase G74C. ChemBioChem, 2015, 16, 1943-1949.	2.6	15
21	Solution structure of the NDH-1 complex subunit CupS from Thermosynechococcus elongatus. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1212-1219.	1.0	7
22	1H, 13C and 15N chemical shift assignments of the NDH-1 complex subunit CupS. Biomolecular NMR Assignments, 2015, 9, 169-171.	0.8	1
23	Solid phase synthesis, NMR structure determination of Î±-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.	1.6	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.	3.4	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.	6.4	38
26	Ras and Rheb Signaling in Survival and Cell Death. Cancers, 2013, 5, 639-661.	3.7	25
27	Targeting Melanoma Metastasis and Immunosuppression with a New Mode of Melanoma Inhibitory Activity (MIA) Protein Inhibition. PLoS ONE, 2012, 7, e37941.	2.5	23
28	S -Adenosylmethionine-Binding Properties of a Bacterial Phospholipid N -Methyltransferase. Journal of Bacteriology, 2011, 193, 3473-3481.	2.2	21
29	Sequence-specific 1H, 13C, and 15N assignment of the extended PDZ3 domain of the protein tyrosine phosphatase basophil-like PTP-BL. Biomolecular NMR Assignments, 2010, 4, 199-202.	0.8	3
30	Ras Homolog Enriched in Brain (Rheb) Enhances Apoptotic Signaling*. Journal of Biological Chemistry, 2010, 285, 33979-33991.	3.4	49
31	Structure of the Wilms Tumor Suppressor Protein Zinc Finger Domain Bound to DNA. Journal of Molecular Biology, 2007, 372, 1227-1245.	4.2	91
32	Sequence-specific 1H, 13C, and 15N backbone assignment of the GTPase rRheb in its GDP-bound form. Biomolecular NMR Assignments, 2007, 1, 45-47.	0.8	10
33	Sequence-specific 1H, 13C, and 15N backbone assignment of the activated 21 kDa GTPase rRheb. Biomolecular NMR Assignments, 2007, 1, 105-108.	0.8	8
34	Sequence-specific 1H, 13C, and 15N backbone assignment of the 28ÂkDa PDZ2/PDZ3 tandem domain of the protein tyrosine phosphatase PTP-BL. Biomolecular NMR Assignments, 2007, 1, 151-153.	0.8	4
35	Detailed analysis of MIA protein by mutagenesis. Biological Chemistry, 2006, 387, 1601-6.	2.5	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.	2.8	25

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37	Backbone dynamics of the human MIA protein studied by 15N NMR relaxation: Implications for extended interactions of SH3 domains. Protein Science, 2003, 12, 510-519.	7.6	26
38	Chalcone Derivatives Antagonize Interactions between the Human Oncoprotein MDM2 and p53â€. Biochemistry, 2001, 40, 336-344.	2.5	279
39	Sequence-specific 1H, 13C, and 15N assignment of the human melanoma inhibitory activity (MIA) protein. Journal of Biomolecular NMR, 2000, 17, 87-88.	2.8	21
40	Sequence-specific 1H, 15N, and 13C assignment of the N-terminal domain of the human oncoprotein MDM2 that binds to p53. Journal of Biomolecular NMR, 2000, 17, 91-92.	2.8	13