Sabine Schneider

List of Publications by Year
in descending order

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57 papers	2,849 citations	257429 24 h-index	182417 51 g-index
65 all docs	65 docs citations	65 times ranked	4808 citing authors

#	Article	IF	Citations
1	Structure and mechanism of the RNA dependent RNase Cas13a from Rhodobacter capsulatus. Communications Biology, 2022, 5, 71.	4.4	6
2	Clickable report tags for identification of modified peptides by mass spectrometry. Journal of Mass Spectrometry, 2022, 57, e4812.	1.6	1
3	Spectroscopic and inâ€...vitro Investigations of Fe²⁺/Îąâ€Ketoglutarateâ€Dependent Enzymes Involved in Nucleic Acid Repair and Modification. ChemBioChem, 2022, 23, .	2.6	5
4	Carrier Proteinâ€Free Enzymatic Biaryl Coupling in Arylomycin A2 Assembly and Structure of the Cytochrome P450 AryC. Chemistry - A European Journal, 2022, 28, e202104451.	3.3	5
5	Tetrapyrrolic Pigments from Hemeâ€and Chlorophyll Breakdown are Actinâ€Targeting Compounds. Angewandte Chemie - International Edition, 2021, 60, 22578-22584.	13.8	7
6	Tetrapyrrolische Pigmente aus dem HÃmâ€und Chlorophyllabbau interagieren mit Aktin. Angewandte Chemie, 2021, 133, 22753-22760.	2.0	0
7	Rab1-AMPylation by Legionella DrrA is allosterically activated by Rab1. Nature Communications, 2021, 12, 460.	12.8	14
8	Tailored Cofactor Traps for the in Situ Detection of Hemithioacetal-Forming Pyridoxal Kinases. ACS Chemical Biology, 2020, 15, 3227-3234.	3.4	2
9	Structure and Function of an Elongation Factor P Subfamily in Actinobacteria. Cell Reports, 2020, 30, 4332-4342.e5.	6.4	11
10	Genetic Code Expansion, Protein Expression, and Protein Functionalization in Bacillus subtilis. ACS Synthetic Biology, 2020, 9, 486-493.	3.8	12
11	Chivosazole A Modulates Proteinâ€“Protein Interactions of Actin. Journal of Natural Products, 2019, 82, 1961-1970.	3.0	8
12	Mitochondrial Alkbh1 localises to mtRNA granules and its knockdown induces mitochondrial UPR in humans and C. elegans. Journal of Cell Science, 2019, 132, .	2.0	19
13	Ribosomal Peptides and Small Proteins on the Rise. ChemBioChem, 2019, 20, 1479-1486.	2.6	14
14	DNA und RNA â€" mehr als nur TrÃger der genetischen Information. BioSpektrum, 2018, 24, 368-371.	0.0	0
15	Mining the cellular inventory of pyridoxal phosphate-dependent enzymes with functionalized cofactor mimics. Nature Chemistry, 2018, 10, 1234-1245.	13.6	51
16	Selektive Aktivierung der humanen caseinolytischen Proteaseâ€...P (ClpP). Angewandte Chemie, 2018, 130, 14811-14816.	2.0	3
17	Selective Activation of Human Caseinolytic Proteaseâ€...P (ClpP). Angewandte Chemie - International Edition, 2018, 57, 14602-14607.	13.8	34
18	Gene expression control by Bacillus anthracis purine riboswitches. Rna, 2017, 23, 762-769.	3.5	14

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19	Structural Insights into the Recognition of N²â€Arylâ€•and C8â€Aryl DNA Lesions by the Repair Protein XPA/Rad14. ChemBioChem, 2017, 18, 1379-1382.	2.6	6
20	CRISPR-Cas9: From a bacterial immune system to genome-edited human cells in clinical trials. Bioengineered, 2017, 8, 280-286.	3.2	20
21	Guide-independent DNA cleavage by archaeal Argonaute from Methanocaldococcus jannaschii. Nature Microbiology, 2017, 2, 17034.	13.3	95
22	Structural and mechanistic insights into an archaeal DNA-guided Argonaute protein. Nature Microbiology, 2017, 2, 17035.	13.3	98
23	An in vivo high-throughput screening for riboswitch ligands using a reverse reporter gene system. Scientific Reports, 2017, 7, 7732.	3.3	12
24	Mechanistic Insights into Cyclic Peptide Generation by DnaE Splitâ€Inteins through Quantitative and Structural Investigation. ChemBioChem, 2017, 18, 2242-2246.	2.6	0
25	The target landscape of clinical kinase drugs. Science, 2017, 358, .	12.6	609
26	Structural Basis for Bulkyâ€Adduct DNAâ€Lesion Recognition by the Nucleotide Excision Repair Protein Rad14. Chemistry - A European Journal, 2016, 22, 10782-10785.	3.3	9
27	K + Efflux-Independent NLRP3 Inflammasome Activation by Small Molecules Targeting Mitochondria. Immunity, 2016, 45, 761-773.	14.3	364
28	Naturalâ€Productâ€Inspired Aminoepoxybenzoquinones Kill Members of the Gramâ€Negative Pathogen Salmonella by Attenuating Cellular Stress Response. Angewandte Chemie - International Edition, 2016, 55, 14852-14857.	13.8	14
29	Structural, Biochemical, and Computational Studies Reveal the Mechanism of Selective Aldehyde Dehydrogenase 1A1 Inhibition by Cytotoxic Duocarmycin Analogues. Angewandte Chemie - International Edition, 2015, 54, 13550-13554.	13.8	25
30	CRISPRâ€Cas: From the Bacterial Adaptive Immune System to a Versatile Tool for Genome Engineering. Angewandte Chemie - International Edition, 2015, 54, 13508-13514.	13.8	24
31	Structural insights into the recognition of cisplatin and AAF-dG lesion by Rad14 (XPA). Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8272-8277.	7.1	46
32	Structural Basis for the Site-Specific Incorporation of Lysine Derivatives into Proteins. PLoS ONE, 2014, 9, e96198.	2.5	15
33	Making the Bend: DNA Tertiary Structure and Protein-DNA Interactions. International Journal of Molecular Sciences, 2014, 15, 12335-12363.	4.1	90
34	Riboseâ€Protonated DNA Base Excision Repair: A Combined Theoretical and Experimental Study. Angewandte Chemie, 2014, 126, 10208-10212.	2.0	5
35	A Subfamily of Bacterial Ribokinases Utilizes a Hemithioacetal for Pyridoxal Phosphate Salvage. Journal of the American Chemical Society, 2014, 136, 4992-4999.	13.7	21
36	Riboseâ€Protonated DNA Base Excision Repair: A Combined Theoretical and Experimental Study. Angewandte Chemie - International Edition, 2014, 53, 10044-10048.	13.8	37

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37	Unexpected non-Hoogsteenâ€“based mutagenicity mechanism of FaPy-DNA lesions. Nature Chemical Biology, 2013, 9, 455-461.	8.0	29
38	Structural Insights into Incorporation of Norbornene Amino Acids for Click Modification of Proteins. ChemBioChem, 2013, 14, 2114-2118.	2.6	34
39	Exploration of Pipecolate Sulfonamides as Binders of the FK506-Binding Proteins 51 and 52. Journal of Medicinal Chemistry, 2012, 55, 4123-4131.	6.4	46
40	Reversible bond formation enables the replication and amplification of a crosslinking salen complex as an orthogonal base pair. Nature Chemistry, 2011, 3, 794-800.	13.6	152
41	Crystal Structures and Repair Studies Reveal the Identity and the Baseâ€Pairing Properties of the UVâ€Induced Spore Photoproduct DNA Lesion. Chemistry - A European Journal, 2011, 17, 9651-9657.	3.3	29
42	Translesion Synthesis of 1,3â€GTG Cisplatin DNA Lesions. ChemBioChem, 2010, 11, 1521-1524.	2.6	12
43	Crystal Structure of a Cisplatinâ€(1,3â€GTG) Crossâ€Link within DNA Polymerase Î·. Angewandte Chemie - International Edition, 2010, 49, 3077-3080.	13.8	37
44	Cover Picture: Crystal Structure of a Cisplatin-(1,3-GTG) Cross-Link within DNA Polymerase Î· (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	13.8	1
45	Mechanism of replication blocking and bypass of Y-family polymerase Â by bulky acetylaminofluorene DNA adducts. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20720-20725.	7.1	39
46	DNA (6-4) Photolyases Reduce Dewar Isomers for Isomerization into (6-4) Lesions. Journal of the American Chemical Society, 2010, 132, 3254-3255.	13.7	37
47	The archaeal cofactor F ₀ is a light-harvesting antenna chromophore in eukaryotes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11540-11545.	7.1	57
48	Crystal structure analysis of DNA lesion repair and tolerance mechanisms. Current Opinion in Structural Biology, 2009, 19, 87-95.	5.7	19
49	Crystal Structure of the T(6â€4)C Lesion in Complex with a (6â€4) DNA Photolyase and Repair of UVâ€Induced (6â€4) and Dewar Photolesions. Chemistry - A European Journal, 2009, 15, 10387-10396.	3.3	74
50	Crystal Structure and Mechanism of a DNA (6â€4) Photolyase. Angewandte Chemie - International Edition, 2008, 47, 10076-10080.	13.8	174
51	Structure of the N-Terminal Oligomerization Domain of DnaD Reveals a Unique Tetramerization Motif and Provides Insights into Scaffold Formation. Journal of Molecular Biology, 2008, 376, 1237-1250.	4.2	26
52	Crystal Structure of the Heme-IsdC Complex, the Central Conduit of the Isd Iron/Heme Uptake System in Staphylococcus aureus. Journal of Biological Chemistry, 2007, 282, 10625-10631.	3.4	104
53	Diversity and conservation of interactions for binding heme in b-type heme proteins. Natural Product Reports, 2007, 24, 621.	10.3	90
54	Crystallization and X-ray diffraction analysis of the DNA-remodelling protein DnaD fromBacillus subtilis. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 110-113.	0.7	4

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55	An Induced Fit Conformational Change Underlies the Binding Mechanism of the Heme Transport Proteobacteria-Protein HemS. Journal of Biological Chemistry, 2006, 281, 32606-32610.	3.4	52
56	EBV latent membrane protein-1 protects B cells from apoptosis by inhibition of BAX. Blood, 2005, 105, 3263-3269.	1.4	88
57	Crystallization and preliminary X-ray diffraction analysis of the haem-binding protein HemS fromYersinia enterocolitica. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 802-805.	0.7	7