

Peter T Chivers

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,187
citations

567281

15
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

1047
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of the nickel-responsive transcription factor NikR. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 794-799.	8.2	165
2	Nickel homeostasis in <i>Escherichia coli</i> : the rcnR-rcnA efflux pathway and its linkage to NikR function. <i>Molecular Microbiology</i> , 2006, 62, 252-262.	2.5	118
3	Bacterial sensors define intracellular free energies for correct enzyme metalation. <i>Nature Chemical Biology</i> , 2019, 15, 241-249.	8.0	112
4	Ni(II) and Co(II) Sensing by <i>Escherichia coli</i> RcnR. <i>Journal of the American Chemical Society</i> , 2008, 130, 7592-7606.	13.7	110
5	NikR is a ribbon-helix DNA-binding protein. <i>Protein Science</i> , 1999, 8, 2494-2500.	7.6	109
6	Elucidation of the biosynthesis of the methane catalyst coenzyme F430. <i>Nature</i> , 2017, 543, 78-82.	27.8	104
7	NikR Repressor. <i>Chemistry and Biology</i> , 2002, 9, 1141-1148.	6.0	102
8	Structure of <i>Pyrococcus horikoshii</i> NikR: Nickel Sensing and Implications for the Regulation of DNA Recognition. <i>Journal of Molecular Biology</i> , 2005, 348, 597-607.	4.2	84
9	Communication between the Zinc and Nickel Sites in Dimeric HypA: Metal Recognition and pH Sensing. <i>Journal of the American Chemical Society</i> , 2010, 132, 10338-10351.	13.7	57
10	Identification of Ni-(I-His) ₂ as a substrate for NikABCDE-dependent nickel uptake in <i>Escherichia coli</i> . <i>Metallomics</i> , 2012, 4, 1043.	2.4	55
11	Role of the N-terminus in Determining Metal-Specific Responses in the <i>E. coli</i> Ni- and Co-Responsive Metalloregulator, RcnR. <i>Journal of the American Chemical Society</i> , 2012, 134, 7081-7093.	13.7	42
12	Protein metalation in biology. <i>Current Opinion in Chemical Biology</i> , 2022, 66, 102095.	6.1	41
13	A tight tunable range for Ni(II) sensing and buffering in cells. <i>Nature Chemical Biology</i> , 2017, 13, 409-414.	8.0	37
14	Nickel recognition by bacterial importer proteins. <i>Metallomics</i> , 2015, 7, 590-595.	2.4	25
15	Glutamate Ligation in the Ni(II)- and Co(II)-Responsive <i>Escherichia coli</i> Transcriptional Regulator, RcnR. <i>Inorganic Chemistry</i> , 2017, 56, 6459-6476.	4.0	16
16	Co(II) and Ni(II) binding of the <i>Escherichia coli</i> transcriptional repressor RcnR orders its N terminus, alters helix dynamics, and reduces DNA affinity. <i>Journal of Biological Chemistry</i> , 2018, 293, 324-332.	3.4	10
17	Determining the mechanism of allosteric regulation of NikR binding to DNA activated by Ni ²⁺ . <i>FASEB Journal</i> , 2006, 20, A489.	0.5	0
18	DNA and Metal Binding of the <i>E. coli</i> Transcription Factor RcnR. <i>FASEB Journal</i> , 2008, 22, .	0.5	0