

Sarah L J Michel

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,036
citations

331670

21
h-index

454955

30
g-index

49
all docs

49
docs citations

49
times ranked

1177
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial nickel metalloregulation: NikRs for nickel ions. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 123-130.	6.1	105
2	<i>Helicobacter pylori</i> NikR TM 's Interaction with DNA: A Two-Tiered Mode of Recognition. <i>Biochemistry</i> , 2009, 48, 527-536.	2.5	56
3	Copper Resistance of the Emerging Pathogen <i>Acinetobacter baumannii</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 6174-6188.	3.1	55
4	Selective RNA Binding by a Single CCCH Zinc-Binding Domain from Nup475 (Tristetraprolin). <i>Biochemistry</i> , 2003, 42, 4626-4630.	2.5	53
5	Characterization of the <i>Helicobacter pylori</i> NikR TM ~PureA DNA Interaction: Metal Ion Requirements and Sequence Specificity. <i>Biochemistry</i> , 2007, 46, 2520-2529.	2.5	50
6	Cysteine and histidine shuffling: mixing and matching cysteine and histidine residues in zinc finger proteins to afford different folds and function. <i>Dalton Transactions</i> , 2011, 40, 12619.	3.3	49
7	Structural Metal Sites in Nonclassical Zinc Finger Proteins Involved in Transcriptional and Translational Regulation. <i>Accounts of Chemical Research</i> , 2014, 47, 2643-2650.	15.6	46
8	Functional Characterization of Iron-Substituted Tristetraprolin-2D (TTP-2D, NUP475-2D): RNA Binding Affinity and Selectivity. <i>Biochemistry</i> , 2006, 45, 13641-13649.	2.5	40
9	Characterization of <i>Acinetobacter baumannii</i> Copper Resistance Reveals a Role in Virulence. <i>Frontiers in Microbiology</i> , 2020, 11, 16.	3.5	38
10	Ni(II) coordination to mixed sites modulates DNA binding of <i>Hp</i> NikR via a long-range effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5633-5638.	7.1	37
11	Holo-Ni(II)HpNikR Is an Asymmetric Tetramer Containing Two Different Nickel-Binding Sites. <i>Journal of the American Chemical Society</i> , 2010, 132, 14447-14456.	13.7	36
12	Fur Activates Expression of the 2-Oxoglutarate Oxidoreductase Genes (<i>oorDABC</i>) in <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2012, 194, 6490-6497.	2.2	34
13	Pleiotropic ZIP8 A391T implicates abnormal manganese homeostasis in complex human disease. <i>JCI Insight</i> , 2020, 5, .	5.0	34
14	Cleavage and polyadenylation specificity factor 30: An RNA-binding zinc-finger protein with an unexpected 2Fe ²⁺ 2S cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4700-4705.	7.1	33
15	Cadmium coordination to the zinc binding domains of the non-classical zinc finger protein Tristetraprolin affects RNA binding selectivity. <i>Journal of Inorganic Biochemistry</i> , 2012, 112, 32-38.	3.5	28
16	Cu(I) Disrupts the Structure and Function of the Nonclassical Zinc Finger Protein Tristetraprolin (TTP). <i>Inorganic Chemistry</i> , 2017, 56, 6838-6848.	4.0	25
17	Cysteine Oxidation Enhanced by Iron in Tristetraprolin, A Zinc Finger Peptide. <i>Inorganic Chemistry</i> , 2010, 49, 1211-1219.	4.0	24
18	Direct Zinc Finger Protein Persulfidation by H ₂ S Is Facilitated by Zn ²⁺ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7997-8001.	13.8	24

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19	Functional characterization of iron-substituted neural zinc finger factor 1: metal and DNA binding. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 583-590.	2.6	23
20	Crosstalk between the HpArsRS two-component system and HpNikR is necessary for maximal activation of urease transcription. <i>Frontiers in Microbiology</i> , 2015, 6, 558.	3.5	23
21	Structure of the cell-binding component of the <i>Clostridium difficile</i> binary toxin reveals a di-heptamer macromolecular assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1049-1058.	7.1	23
22	Dissecting the role of DNA sequence in <i>Helicobacter pylori</i> NikR/DNA recognition. <i>Dalton Transactions</i> , 2012, 41, 7946.	3.3	17
23	Snapshots of Iron Speciation: Tracking the Fate of Iron Nanoparticle Drugs via a Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometric Approach. <i>Molecular Pharmaceutics</i> , 2019, 16, 1272-1281.	4.6	14
24	Classical Cys ₂ His ₂ Zinc Finger Peptides Are Rapidly Oxidized by Either H ₂ O ₂ or O ₂ Irrespective of Metal Coordination. <i>Inorganic Chemistry</i> , 2011, 50, 5442-5450.	4.0	13
25	Iron-Sulfur Clusters in Zinc Finger Proteins. <i>Methods in Enzymology</i> , 2018, 599, 101-137.	1.0	13
26	Revisiting and re-engineering the classical zinc finger peptide: consensus peptide-1 (CP-1). <i>Molecular BioSystems</i> , 2016, 12, 1183-1193.	2.9	11
27	Seeing the Unseeable, A Student-Led Activity to Identify Metals in Drinking Water. <i>Journal of Chemical Education</i> , 2020, 97, 3690-3696.	2.3	11
28	Fe-S clusters masquerading as zinc finger proteins. <i>Journal of Inorganic Biochemistry</i> , 2022, 230, 111756.	3.5	11
29	Switching Metal Ion Coordination and DNA Recognition in a Tandem CCHHC-type Zinc Finger Peptide. <i>Inorganic Chemistry</i> , 2013, 52, 4721-4728.	4.0	10
30	Design of a synthetic luminescent probe from a biomolecule binding domain: selective detection of AU-rich mRNA sequences. <i>Chemical Science</i> , 2017, 8, 1658-1664.	7.4	10
31	Building a Metal Binding Domain, One Half at a Time. <i>Chemistry and Biology</i> , 2002, 9, 667-668.	6.0	9
32	Equivalence and regulatory approaches of nonbiological complex drug products across the United States, the European Union, and Turkey. <i>Annals of the New York Academy of Sciences</i> , 2017, 1407, 26-38.	3.8	9
33	Measuring Intracellular Metal Concentration via ICP-MS Following Copper Exposure. <i>Methods in Molecular Biology</i> , 2019, 1946, 195-205.	0.9	9
34	Role of Gold in Inflammation and Tristetraprolin Activity. <i>Chemistry - A European Journal</i> , 2020, 26, 1535-1547.	3.3	9
35	Neural Zinc Finger Factor/Myelin Transcription Factor Proteins: Metal Binding, Fold, and Function. <i>Biochemistry</i> , 2015, 54, 4443-4452.	2.5	8
36	Direct Zinc Finger Protein Persulfidation by H ₂ S Is Facilitated by Zn ²⁺ . <i>Angewandte Chemie</i> , 2019, 131, 8081-8085.	2.0	8

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37	Crystal structures of human 3-hydroxyanthranilate 3,4-dioxygenase with native and non-native metals bound in the active site. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017, 73, 340-348.	2.3	7
38	Cigalike electronic nicotine delivery systems e-liquids contain variable levels of metals. <i>Scientific Reports</i> , 2020, 10, 11907.	3.3	6
39	Cadmium Exchange with Zinc in the Non-Classical Zinc Finger Protein Tristetraprolin. <i>Inorganic Chemistry</i> , 2021, 60, 7697-7707.	4.0	6
40	Evaluation of the Physicochemical Properties of the Iron Nanoparticle Drug Products: Brand and Generic Sodium Ferric Gluconate. <i>Molecular Pharmaceutics</i> , 2021, 18, 1544-1557.	4.6	5
41	A role for hydrogen bonding in DNA recognition by the non-classical CCHHC type zinc finger, NZF-1. <i>Molecular BioSystems</i> , 2014, 10, 1753-1756.	2.9	4
42	Unraveling the RNA Binding Properties of the Iron-Sulfur Zinc Finger Protein CPSF30. <i>Biochemistry</i> , 2020, 59, 970-982.	2.5	4
43	Targeting Zinc Finger Proteins with Exogenous Metals and Molecules: Lessons Learned from Tristetraprolin, a CCCH type Zinc Finger. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3795-3805.	2.0	3
44	Understanding RNA Binding by the Nonclassical Zinc Finger Protein CPSF30, a Key Factor in Polyadenylation during Pre-mRNA Processing. <i>Biochemistry</i> , 2021, 60, 780-790.	2.5	2
45	Radiographic presentation of artifactual dyed hair on lateral cephalograms, chemical processing, and forensic application: Novel case report. <i>Journal of Forensic Sciences</i> , 2022, , .	1.6	1
46	Report from the Seventh Annual "Frontiers at the Chemistry Biology Interface Symposium". <i>ACS Chemical Biology</i> , 2014, 9, 1915-1917.	3.4	0
47	Editorial overview: Bioinorganic chemistry: Metals in biology: approaching the big picture. <i>Current Opinion in Chemical Biology</i> , 2020, 55, A4-A6.	6.1	0
48	Frontispiece: Role of Gold in Inflammation and Tristetraprolin Activity. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0