Sarah L J Michel

List of Publications by Year
in descending order

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	Radiographic presentation of artifactual dyed hair on lateral cephalograms, chemical processing, and forensic application: Novel case report. Journal of Forensic Sciences, 2022, , .	1.6	1
2	Fe-S clusters masquerading as zinc finger proteins. Journal of Inorganic Biochemistry, 2022, 230, 111756.	3.5	11
3	Understanding RNA Binding by the Nonclassical Zinc Finger Protein CPSF30, a Key Factor in Polyadenylation during Pre-mRNA Processing. Biochemistry, 2021, 60, 780-790.	2.5	2
4	Evaluation of the Physicochemical Properties of the Iron Nanoparticle Drug Products: Brand and Generic Sodium Ferric Gluconate. Molecular Pharmaceutics, 2021, 18, 1544-1557.	4.6	5
5	Cadmium Exchange with Zinc in the Non-Classical Zinc Finger Protein Tristetraprolin. Inorganic Chemistry, 2021, 60, 7697-7707.	4.0	6
6	Targeting Zinc Finger Proteins with Exogenous Metals and Molecules: Lessons Learned from Tristetraprolin, a CCCH type Zinc Finger. European Journal of Inorganic Chemistry, 2021, 2021, 3795-3805.	2.0	3
7	Role of Gold in Inflammation and Tristetraprolin Activity. Chemistry - A European Journal, 2020, 26, 1535-1547.	3.3	9
8	Cigalike electronic nicotine delivery systems e-liquids contain variable levels of metals. Scientific Reports, 2020, 10, 11907.	3.3	6
9	Seeing the â€œUnseeable,â€•A Student-Led Activity to Identify Metals in Drinking Water. Journal of Chemical Education, 2020, 97, 3690-3696.	2.3	11
10	Editorial overview: Bioinorganic chemistry: Metals in biology: approaching the big picture. Current Opinion in Chemical Biology, 2020, 55, A4-A6.	6.1	0
11	Characterization of Acinetobacter baumannii Copper Resistance Reveals a Role in Virulence. Frontiers in Microbiology, 2020, 11, 16.	3.5	38
12	Unraveling the RNA Binding Properties of the Ironâ€“Sulfur Zinc Finger Protein CPSF30. Biochemistry, 2020, 59, 970-982.	2.5	4
13	Frontispiece: Role of Gold in Inflammation and Tristetraprolin Activity. Chemistry - A European Journal, 2020, 26, .	3.3	0
14	Structure of the cell-binding component of the Clostridium difficile binary toxin reveals a di-heptamer macromolecular assembly. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1049-1058.	7.1	23
15	Pleiotropic ZIP8 A391T implicates abnormal manganese homeostasis in complex human disease. JCI Insight, 2020, 5, .	5.0	34
16	Snapshots of Iron Speciation: Tracking the Fate of Iron Nanoparticle Drugs via a Liquid Chromatographyâ€“Inductively Coupled Plasmaâ€“Mass Spectrometric Approach. Molecular Pharmaceutics, 2019, 16, 1272-1281.	4.6	14
17	Direct Zinc Finger Protein Persulfidation by H 2 S Is Facilitated by Zn 2+. Angewandte Chemie, 2019, 131, 8081-8085.	2.0	8
18	Direct Zinc Finger Protein Persulfidation by H₂S Is Facilitated by Zn²⁺. Angewandte Chemie - International Edition, 2019, 58, 7997-8001.	13.8	24

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19	Measuring Intracellular Metal Concentration via ICP-MS Following Copper Exposure. Methods in Molecular Biology, 2019, 1946, 195-205.	0.9	9
20	Ironâ€“Sulfur Clusters in Zinc Finger Proteins. Methods in Enzymology, 2018, 599, 101-137.	1.0	13
21	Design of a synthetic luminescent probe from a biomolecule binding domain: selective detection of AU-rich mRNA sequences. Chemical Science, 2017, 8, 1658-1664.	7.4	10
22	Cu(I) Disrupts the Structure and Function of the Nonclassical Zinc Finger Protein Tristetraprolin (TTP). Inorganic Chemistry, 2017, 56, 6838-6848.	4.0	25
23	Equivalence and regulatory approaches of nonbiological complex drug products across the United States, the European Union, and Turkey. Annals of the New York Academy of Sciences, 2017, 1407, 26-38.	3.8	9
24	Crystal structures of human 3-hydroxyanthranilate 3,4-dioxygenase with native and non-native metals bound in the active site. Acta Crystallographica Section D: Structural Biology, 2017, 73, 340-348.	2.3	7
25	Cleavage and polyadenylation specificity factor 30: An RNA-binding zinc-finger protein with an unexpected 2Feâ€“2S cluster. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4700-4705.	7.1	33
26	Copper Resistance of the Emerging Pathogen Acinetobacter baumannii. Applied and Environmental Microbiology, 2016, 82, 6174-6188.	3.1	55
27	Revisiting and re-engineering the classical zinc finger peptide: consensus peptide-1 (CP-1). Molecular BioSystems, 2016, 12, 1183-1193.	2.9	11
28	Crosstalk between the HpArsRS two-component system and HpNikR is necessary for maximal activation of urease transcription. Frontiers in Microbiology, 2015, 6, 558.	3.5	23
29	Neural Zinc Finger Factor/Myelin Transcription Factor Proteins: Metal Binding, Fold, and Function. Biochemistry, 2015, 54, 4443-4452.	2.5	8
30	A role for hydrogen bonding in DNA recognition by the non-classical CCHHC type zinc finger, NZF-1. Molecular BioSystems, 2014, 10, 1753-1756.	2.9	4
31	Report from the Seventh Annual â€˜Frontiers at the Chemistry Biology Interface Symposiumâ€™. ACS Chemical Biology, 2014, 9, 1915-1917.	3.4	0
32	Structural Metal Sites in Nonclassical Zinc Finger Proteins Involved in Transcriptional and Translational Regulation. Accounts of Chemical Research, 2014, 47, 2643-2650.	15.6	46
33	Switching Metal Ion Coordination and DNA Recognition in a Tandem CCHHC-type Zinc Finger Peptide. Inorganic Chemistry, 2013, 52, 4721-4728.	4.0	10
34	Ni(II) coordination to mixed sites modulates DNA binding of Hp NikR via a long-range effect. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5633-5638.	7.1	37
35	Fur Activates Expression of the 2-Oxoglutarate Oxidoreductase Genes (oorDABC) in Helicobacter pylori. Journal of Bacteriology, 2012, 194, 6490-6497.	2.2	34
36	Dissecting the role of DNA sequence in Helicobacter pylori NikR/DNA recognition. Dalton Transactions, 2012, 41, 7946.	3.3	17

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37	Cadmium coordination to the zinc binding domains of the non-classical zinc finger protein Tristetraprolin affects RNA binding selectivity. Journal of Inorganic Biochemistry, 2012, 112, 32-38.	3.5	28
38	Cysteine and histidine shuffling: mixing and matching cysteine and histidine residues in zinc finger proteins to afford different folds and function. Dalton Transactions, 2011, 40, 12619.	3.3	49
39	Classical Cys₂His₂Zinc Finger Peptides Are Rapidly Oxidized by Either H₂O₂or O₂Irrespective of Metal Coordination. Inorganic Chemistry, 2011, 50, 5442-5450.	4.0	13
40	Functional characterization of iron-substituted neural zinc finger factor 1: metal and DNA binding. Journal of Biological Inorganic Chemistry, 2010, 15, 583-590.	2.6	23
41	Holo-Ni(II)HpNikR Is an Asymmetric Tetramer Containing Two Different Nickel-Binding Sites. Journal of the American Chemical Society, 2010, 132, 14447-14456.	13.7	36
42	Cysteine Oxidation Enhanced by Iron in Tristetraprolin, A Zinc Finger Peptide. Inorganic Chemistry, 2010, 49, 1211-1219.	4.0	24
43	Helicobacter pylori NikRâ€™s Interaction with DNA: A Two-Tiered Mode of Recognition. Biochemistry, 2009, 48, 527-536.	2.5	56
44	Characterization of the Helicobacter pylori NikRâ^'PureA DNA Interaction:â€‰ Metal Ion Requirements and Sequence Specificity. Biochemistry, 2007, 46, 2520-2529.	2.5	50
45	Functional Characterization of Iron-Substituted Tristetraprolin-2D (TTP-2D, NUP475-2D):â€‰ RNA Binding Affinity and Selectivity. Biochemistry, 2006, 45, 13641-13649.	2.5	40
46	Microbial nickel metalloregulation: NikRs for nickel ions. Current Opinion in Chemical Biology, 2006, 10, 123-130.	6.1	105
47	Selective RNA Binding by a Single CCCH Zinc-Binding Domain from Nup475 (Tristetraprolin)â€. Biochemistry, 2003, 42, 4626-4630.	2.5	53
48	Building a Metal Binding Domain, One Half at a Time. Chemistry and Biology, 2002, 9, 667-668.	6.0	9