Wei Xia

List of Publications by Year
in descending order

38	1,134	361413	395702
papers	citations	20 h-index	33 g-index

39	39	39	1474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conformational equilibria and intrinsic affinities define integrin activation. EMBO Journal, 2017, 36, 629-645.	7.8	112
2	Relating conformation to function in integrin Î± ₅ Î² ₁. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3872-81.	7.1	110
3	Structure of a Nickel Chaperone, HypA, from Helicobacter pylori Reveals Two Distinct Metal Binding Sites. Journal of the American Chemical Society, 2009, 131, 10031-10040.	13.7	90
4	Metal ion and ligand binding of integrin Î± ₅ Î² ₁. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17863-17868.	7.1	86
5	Integrative approach for the analysis of the proteome-wide response to bismuth drugs in Helicobacter pylori. Chemical Science, 2017, 8, 4626-4633.	7.4	66
6	Deciphering molecular mechanism of silver by integrated omic approaches enables enhancing its antimicrobial efficacy in E. coli. PLoS Biology, 2019, 17, e3000292.	5.6	66
7	Combination of gallium(<scp>iii</scp>) with acetate for combating antibiotic resistant Pseudomonas aeruginosa. Chemical Science, 2019, 10, 6099-6106.	7.4	52
8	Metallo-GTPase HypB from Helicobacter pylori and Its Interaction with Nickel Chaperone Protein HypA. Journal of Biological Chemistry, 2012, 287, 6753-6763.	3.4	50
9	Multifaceted SlyD from Helicobacter pylori: implication in [NiFe] hydrogenase maturation. Journal of Biological Inorganic Chemistry, 2012, 17, 331-343.	2.6	40
10	Nickel translocation between metallochaperones HypA and UreE in Helicobacter pylori. Metallomics, 2014, 6, 1731-1736.	2.4	34
11	Multi-omics and temporal dynamics profiling reveal disruption of central metabolism inHelicobacter pylorion bismuth treatment. Chemical Science, 2018, 9, 7488-7497.	7.4	33
12	Charge-driven tripod somersault on DNA for ratiometric fluorescence imaging of small molecules in the nucleus. Chemical Science, 2019, 10, 10053-10064.	7.4	33
13	Interaction of SlyD with HypB of Helicobacter pylori facilitates nickel trafficking. Metallomics, 2013, 5, 804.	2.4	30
14	Identification of catabolite control protein A fromStaphylococcus aureusas a target of silver ions. Chemical Science, 2017, 8, 8061-8066.	7.4	27
15	Histidine-rich proteins in prokaryotes: metal homeostasis and environmental habitat-related occurrence. Metallomics, 2013, 5, 1423.	2.4	26
16	Lightâ€Triggered Nitric Oxide Release by a Photosensitizer to Combat Bacterial Biofilm Infections. Chemistry - A European Journal, 2021, 27, 5453-5460.	3.3	26
17	Bismuth-Induced Inactivation of Ferric Uptake Regulator from Helicobacter pylori. Inorganic Chemistry, 2017, 56, 15041-15048.	4.0	24
18	Targeting the Thioredoxin Reductaseâ€“Thioredoxin System from Staphylococcus aureus by Silver Ions. Inorganic Chemistry, 2017, 56, 14823-14830.	4.0	24

#	Article	IF	Citations
19	In Situ Prodrug Activation by an Affibodyâ€Ruthenium Catalyst Hybrid for HER2â€Targeted Chemotherapy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
20	Functional disruption of HypB, a GTPase of Helicobacter pylori, by bismuth. Chemical Communications, 2014, 50, 1611-1614.	4.1	22
21	Allosteric inhibition of SARS-CoV-2 3CL protease by colloidal bismuth subcitrate. Chemical Science, 2021, 12, 14098-14102.	7.4	19
22	Structural Insight into the Substrate Gating Mechanism by Staphylococcus aureus Aldehyde Dehydrogenase. CCS Chemistry, 2020, 2, 946-954.	7.8	18
23	Identification and Characterization of a Metalloprotein Involved in Gallium Internalization in Pseudomonas aeruginosa. ACS Infectious Diseases, 2019, 5, 1693-1697.	3.8	16
24	The unique trimeric assembly of the virulence factor HtrA from Helicobacter pylori occurs via N-terminal domain swapping. Journal of Biological Chemistry, 2019, 294, 7990-8000.	3.4	16
25	Exploration into the nickel â€˜microcosmosâ€™ in prokaryotes. Coordination Chemistry Reviews, 2016, 311, 24-37.	18.8	15
26	Identification of a Novel Inhibitor of Catabolite Control Protein A from Staphylococcus aureus. ACS Infectious Diseases, 2020, 6, 347-354.	3.8	10
27	Inhibition of SARS-CoV-2 replication by zinc gluconate in combination with hinokitiol. Journal of Inorganic Biochemistry, 2022, 231, 111777.	3.5	10
28	Solution structure of GSP13 from Bacillus subtilis exhibits an S1 domain related to cold shock proteins. Journal of Biomolecular NMR, 2009, 43, 255-259.	2.8	9
29	Oxidative stress transforms 3CLpro into an insoluble and more active form to promote SARS-CoV-2 replication. Redox Biology, 2021, 48, 102199.	9.0	8
30	Inhibition of Quorum-Sensing Regulator from Pseudomonas aeruginosa Using a Flavone Derivative. Molecules, 2022, 27, 2439.	3.8	8
31	Competition for Iron Between Host and Pathogen: A Structural Case Study on Helicobacter pylori. Methods in Molecular Biology, 2017, 1535, 65-75.	0.9	6
32	Inactivation of NikR from Helicobacter pylori by a bismuth drug. Journal of Inorganic Biochemistry, 2019, 196, 110685.	3.5	6
33	Solution structure of a thrombin binding aptamer complex with a non-planar platinum(<scp>ii</scp>) compound. Chemical Science, 2022, 13, 8371-8379.	7.4	5
34	In Situ Prodrug Activation by an Affibodyâ€Ruthenium Catalyst Hybrid for HER2â€Targeted Chemotherapy. Angewandte Chemie, 2022, 134, .	2.0	4
35	Identification of an Au(I) N-Heterocyclic Carbene Compound as a Bactericidal Agent Against Pseudomonas aeruginosa. Frontiers in Chemistry, 2022, 10, 895159.	3.6	3
36	1H, 13C, and 15N resonance assignments of a general stress protein GSP13 from Bacillus subtilis. Biomolecular NMR Assignments, 2008, 2, 163-165.	0.8	2

#	Article	IF	Citations
37	CHAPTER 14. Nickel Metallochaperones: Structure, Function, and Nickel-Binding Properties. 2-Oxoglutarate-Dependent Oxygenases, 0, , 284-305.	0.8	2
38	Regulation of DNA-binding activity of the Staphylococcus aureus catabolite control protein A by copper (II)-mediated oxidation. Journal of Biological Chemistry, 2022, 298, 101587.	3.4	2