Yao Zhao

List of Publications by Year in Descending Order

72 papers	1,584 citations	21 h-index	38 g-index
77 ext. papers	2,051 ext. citations	7.3 avg, IF	4.59 L-index

#	Paper	IF	Citations
72	ToF-SIMS characterization of surface chemical evolution on electrode surfaces educed by electrochemical activation. *Journal of Analytical Atomic Spectrometry*, **2022**, 37, 890-897	3.7	
71	G-quadruplex inducer/stabilizer pyridostatin targets SUB1 to promote cytotoxicity of a transplatinum complex.. *Nucleic Acids Research*, **2022**,	20.1	2
70	LA-ICP-MS bioimaging demonstrated disturbance of metal ions in the brain of Parkinson\'s disease model mouse undergoing manganese-enhanced MRI.. *Analytical and Bioanalytical Chemistry*, **2022**, 1	4.4	0
69	Serum Phosphopeptides Profiling for Colorectal Cancer Diagnosis Using Liquid Chromatography-Mass Spectrometry.. *Rapid Communications in Mass Spectrometry*, **2022**, e9316	2.2	
68	A Near-Infrared-II Polymer with Tandem Fluorophores Demonstrates Superior Biodegradability for Simultaneous Drug Tracking and Treatment Efficacy Feedback. *ACS Nano*, **2021**, 15, 5428-5438	16.7	23
67	Nanoparticle-mediated convection-enhanced delivery of a DNA intercalator to gliomas circumvents temozolomide resistance. *Nature Biomedical Engineering*, **2021**, 5, 1048-1058	19	16
66	Real-Time Characterization of the Fine Structure and Dynamics of an Electrical Double Layer at Electrode-Electrolyte Interfaces. *Journal of Physical Chemistry Letters*, **2021**, 12, 5279-5285	6.4	3
65	Design of Low Bandgap CsPb Sn I Br Perovskite Solar Cells with Excellent Phase Stability. *Small*, **2021**, 17, e2101380	11	18
64	Single cell imaging reveals cisplatin regulating interactions between transcription (co)factors and DNA. *Chemical Science*, **2021**, 12, 5419-5429	9.4	2
63	Photo-induced mitochondrial DNA damage and NADH depletion by -NO modified Ru(II) complexes. *Chemical Communications*, **2021**, 57, 4162-4165	5.8	4
62	High Voltage-Stabilized Graphdiyne Cathode Interface. *Small*, **2021**, 17, e2102066	11	5
61	Fluorescence live cell imaging revealed wogonin targets mitochondria. *Talanta*, **2021**, 230, 122328	6.2	3
60	NIR-light triggered dual-cascade targeting core-shell nanoparticles enhanced photodynamic therapy and immunotherapy. *Nano Today*, **2021**, 41, 101288	17.9	14
59	Breaking the Intracellular Redox Balance with Diselenium Nanoparticles for Maximizing Chemotherapy Efficacy on Patient-Derived Xenograft Models. *ACS Nano*, **2020**,	16.7	40
58	Platinum(II) Terpyridine Anticancer Complexes Possessing Multiple Mode of DNA Interaction and EGFR Inhibiting Activity. *Frontiers in Chemistry*, **2020**, 8, 210	5	16
57	Unexpected Thymine Oxidation and Collision-Induced Thymine-Pt-guanine Cross-Linking on 5′TpG and 5′GpT by a Photoactivatable Diazido Pt(IV) Anticancer Complex. *Inorganic Chemistry*, **2020**, 59, 8468-8480	5.1	4
56	Pharmacophore conjugation strategy for multi-targeting metal-based anticancer complexes. *Advances in Inorganic Chemistry*, **2020**, 257-285	2.1	0

55	Scaled conductance quantization unravels the switching mechanism in organic ternary resistive memories. *Journal of Materials Chemistry C*, **2020**, 8, 2964-2969	7.1	5
54	Lysosomal-targeted anticancer half-sandwich iridium(III) complexes modified with lonidamine amide derivatives. *Applied Organometallic Chemistry*, **2020**, 34, e5589	3.1	7
53	Cisplatin-induced alteration on membrane composition of A549 cells revealed by ToF-SIMS. *Surface and Interface Analysis*, **2020**, 52, 256-263	1.5	4
52	ToF-SIMS analysis of chemical composition of atmospheric aerosols in Beijing. *Surface and Interface Analysis*, **2020**, 52, 272-282	1.5	0
51	Near-Infrared Light Irradiation Induced Mild Hyperthermia Enhances Glutathione Depletion and DNA Interstrand Cross-Link Formation for Efficient Chemotherapy. *ACS Nano*, **2020**, 14, 14831-14845	16.7	40
50	Photoactivatable diazido Pt(IV) anticancer complex can bind to and oxidize all four nucleosides. *Dalton Transactions*, **2020**, 49, 17157-17163	4.3	3
49	Reactions of a photoactivatable diazido Pt(iv) anticancer complex with a single-stranded oligodeoxynucleotide. *Dalton Transactions*, **2020**, 49, 11249-11259	4.3	2
48	Tandem Mass Spectrometry Reveals Preferential Ruthenation of Thymines in Human Telomeric G-Quadruplex DNA by an Organometallic Ruthenium Anticancer Complex. *Organometallics*, **2020**, 39, 3315-3322	3.8	5
47	Visualization of Proteins in Single Cells by Time-of-Flight-Secondary Ion Mass Spectrometry Coupled with Genetically Encoded Chemical Tags. *Analytical Chemistry*, **2020**, 92, 15517-15525	7.8	5
46	Organometallic ruthenium anticancer complexes inhibit human peroxiredoxin I activity by binding to and inducing oxidation of its catalytic cysteine residue. *Metallomics*, **2019**, 11, 546-555	4.5	4
45	Discovery of Cisplatin Binding to Thymine and Cytosine on a Single-Stranded Oligodeoxynucleotide by High Resolution FT-ICR Mass Spectrometry. *Molecules*, **2019**, 24,	4.8	15
44	A negatively charged Pt(IV) prodrug for electrostatic complexation with polymers to overcome cisplatin resistance. *Journal of Materials Chemistry B*, **2019**, 7, 3346-3350	7.3	13
43	Proteomic Strategy for Identification of Proteins Responding to Cisplatin-Damaged DNA. *Analytical Chemistry*, **2019**, 91, 6035-6042	7.8	7
42	Sub-10 nm Ag Nanoparticles/Graphene Oxide: Controllable Synthesis, Size-Dependent and Extremely Ultrahigh Catalytic Activity. *Small*, **2019**, 15, e1901701	11	14
41	In Situ Liquid Secondary Ion Mass Spectrometry: A Surprisingly Soft Ionization Process for Investigation of Halide Ion Hydration. *Analytical Chemistry*, **2019**, 91, 7039-7046	7.8	14
40	A Nanobody-Conjugated DNA Nanoplatform for Targeted Platinum-Drug Delivery. *Angewandte Chemie*, **2019**, 131, 14362-14366	3.6	12
39	A Nanobody-Conjugated DNA Nanoplatform for Targeted Platinum-Drug Delivery. *Angewandte Chemie - International Edition*, **2019**, 58, 14224-14228	16.4	91
38	Advances in Toxicological Research of the Anticancer Drug Cisplatin. *Chemical Research in Toxicology*, **2019**, 32, 1469-1486	4	80

37	Mass spectrometric quantification of the binding ratio of metal-based anticancer complexes with protein thiols. *Rapid Communications in Mass Spectrometry*, **2019**, 33, 951-958	2.2	2
36	Half-sandwich iridium(III) complexes with picolinic acid frameworks and antitumor applications. *Journal of Inorganic Biochemistry*, **2019**, 192, 52-61	4.2	22
35	Uptake and Transformation of Silver Nanoparticles and Ions by Rice Plants Revealed by Dual Stable Isotope Tracing. *Environmental Science & Technology*, **2019**, 53, 625-633	10.3	32
34	Potential-Dynamic Surface Chemistry Controls the Electrocatalytic Processes of Ethanol Oxidation on Gold Surfaces. *ACS Energy Letters*, **2019**, 4, 215-221	20.1	20
33	Dual Functional Half-Sandwich Ru(II) Complexes: Lysosome-Targeting Probes and Anticancer Agents. *European Journal of Inorganic Chemistry*, **2019**, 2019, 287-294	2.3	8
32	A Photoactive Platinum(IV) Anticancer Complex Inhibits Thioredoxin-Thioredoxin Reductase System Activity by Induced Oxidization of the Protein. *Inorganic Chemistry*, **2018**, 57, 5575-5584	5.1	21
31	An aptamer-Fe modified nanoparticle for lactate oxidation and tumor photodynamic therapy. *Colloids and Surfaces B: Biointerfaces*, **2018**, 164, 192-200	6	6
30	Luminescent cyclometallated platinum(II) complexes: highly promising EGFR/DNA probes and dual-targeting anticancer agents. *Inorganic Chemistry Frontiers*, **2018**, 5, 413-424	6.8	28
29	Solvent-dependent structural dynamics of an azido-platinum complex revealed by linear and nonlinear infrared spectroscopy. *Physical Chemistry Chemical Physics*, **2018**, 20, 9984-9996	3.6	7
28	Heterogeneous Reaction of HCOOH on NaCl Particles at Different Relative Humidities. *Journal of Physical Chemistry A*, **2018**, 122, 7218-7226	2.8	1
27	Deciphering of interactions between platinated DNA and HMGB1 by hydrogen/deuterium exchange mass spectrometry. *Dalton Transactions*, **2017**, 46, 6187-6195	4.3	2
26	Interface effect of mixed phase Pt/ZrO2 catalysts for HCHO oxidation at ambient temperature. *Journal of Materials Chemistry A*, **2017**, 5, 13799-13806	13	94
25	Correlated mass spectrometry and confocal microscopy imaging verifies the dual-targeting action of an organoruthenium anticancer complex. *Chemical Communications*, **2017**, 53, 4136-4139	5.8	13
24	Multi-Targeted Anticancer Agents. *Current Topics in Medicinal Chemistry*, **2017**, 17, 3084-3098	3	48
23	Evaluation of serum phosphopeptides as potential biomarkers of gastric cancer. *RSC Advances*, **2017**, 7, 21630-21637	3.7	6
22	A mitochondria targeting Mn nanoassembly of BODIPY for LDH-A, mitochondria modulated therapy and bimodal imaging of cancer. *Colloids and Surfaces B: Biointerfaces*, **2016**, 147, 387-396	6	5
21	Identification of binding sites of cisplatin to human copper chaperone protein Cox17 by high-resolution FT-ICR-MS. *Rapid Communications in Mass Spectrometry*, **2016**, 30 Suppl 1, 168-72	2.2	5
20	A comparative study on the interactions of human copper chaperone Cox17 with anticancer organoruthenium(II) complexes and cisplatin by mass spectrometry. *Journal of Inorganic Biochemistry*, **2016**, 161, 99-106	4.2	3

19	Synthesis, Characterization, and in Vitro Antitumor Activity of Ruthenium(II) Polypyridyl Complexes Tethering EGFR-Inhibiting 4-Anilinoquinazolines. *Inorganic Chemistry*, **2016**, 55, 4595-605	5.1	35
18	Rational design of multi-targeting ruthenium- and platinum-based anticancer complexes. *Science China Chemistry*, **2016**, 59, 1240-1249	7.9	13
17	Quantification of bindings of organometallic ruthenium complexes to GST by mass spectrometry. *Journal of Inorganic Biochemistry*, **2015**, 146, 44-51	4.2	8
16	Discovery of a dual-targeting organometallic ruthenium complex with high activity inducing early stage apoptosis of cancer cells. *Metallomics*, **2015**, 7, 1573-83	4.5	27
15	Rationally Separating the Corona and Membrane Functions of Polymer Vesicles for Enhanced T MRI and Drug Delivery. *ACS Applied Materials & Interfaces*, **2015**, 7, 14043-52	9.5	38
14	Identification and discrimination of binding sites of an organoruthenium anticancer complex to single-stranded oligonucleotides by mass spectrometry. *Analyst, The*, **2014**, 139, 4491-6	5	10
13	Mass spectrometric proteomics reveals that nuclear protein positive cofactor PC4 selectively binds to cross-linked DNA by a trans-platinum anticancer complex. *Journal of the American Chemical Society*, **2014**, 136, 2948-51	16.4	26
12	Evaluation of serum phosphopeptides as potential cancer biomarkers by mass spectrometric absolute quantification. *Talanta*, **2014**, 125, 411-7	6.2	19
11	De novo generation of singlet oxygen and ammine ligands by photoactivation of a platinum anticancer complex. *Angewandte Chemie - International Edition*, **2013**, 52, 13633-7	16.4	52
10	Transferrin serves as a mediator to deliver organometallic ruthenium(II) anticancer complexes into cells. *Inorganic Chemistry*, **2013**, 52, 5328-38	5.1	92
9	Diazido mixed-amine platinum(IV) anticancer complexes activatable by visible-light form novel DNA adducts. *Chemistry - A European Journal*, **2013**, 19, 9578-91	4.8	82
8	De Novo Generation of Singlet Oxygen and Ammine Ligands by Photoactivation of a Platinum Anticancer Complex. *Angewandte Chemie*, **2013**, 125, 13878-13882	3.6	15
7	Two-Photon-Activated Ligand Exchange in Platinum(II) Complexes. *Angewandte Chemie*, **2012**, 124, 11425-11428	3.6	28
6	Two-photon-activated ligand exchange in platinum(II) complexes. *Angewandte Chemie - International Edition*, **2012**, 51, 11263-6	16.4	37
5	Mass spectrometry evidence for cisplatin as a protein cross-linking reagent. *Analytical Chemistry*, **2011**, 83, 5369-76	7.8	45
4	A Potent Trans-Diimine Platinum Anticancer Complex Photoactivated by Visible Light. *Angewandte Chemie*, **2010**, 122, 9089-9092	3.6	53
3	Innentitelbild: A Potent Trans-Diimine Platinum Anticancer Complex Photoactivated by Visible Light (Angew. Chem. 47/2010). *Angewandte Chemie*, **2010**, 122, 8948-8948	3.6	
2	A potent trans-diimine platinum anticancer complex photoactivated by visible light. *Angewandte Chemie - International Edition*, **2010**, 49, 8905-8	16.4	225

1	Inside Cover: A Potent Trans-Diimine Platinum Anticancer Complex Photoactivated by Visible Light (Angew. Chem. Int. Ed. 47/2010). *Angewandte Chemie - International Edition*, **2010**, 49, 8766-8766	16.4