Kui Wu

List of Publications by Year in Descending Order

47 papers	651 citations	15 h-index	24 g-index
54 ext. papers	755 ext. citations	5.1 avg, IF	3.58 L-index

#	Paper	IF	Citations
47	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
46	Serum Phosphopeptides Profiling for Colorectal Cancer Diagnosis Using Liquid Chromatography-Mass Spectrometry.. *Rapid Communications in Mass Spectrometry*, **2022**, e9316	2.2	
45	Magnetic-targeted capacitive heterostructure of polypyrrole for hypoxia-tolerant synergistic photodynamic/photothermal therapy under near infrared excitation.. *Colloids and Surfaces B: Biointerfaces*, **2022**, 216, 112557	6	0
44	Antitumor Effects of pH-/Reduction-Responsive Fe3O4@Alginate Magnetic Nanoparticles Loaded with Doxorubicin on Subcutaneous Tumor Models of Hepatocellular Carcinoma Xenografts in BALB/c Nude Mice. *ACS Applied Nano Materials*, **2021**, 4, 3707-3716	5.6	0
43	Single cell imaging reveals cisplatin regulating interactions between transcription (co)factors and DNA. *Chemical Science*, **2021**, 12, 5419-5429	9.4	2
42	Platinum(II) Terpyridine Anticancer Complexes Possessing Multiple Mode of DNA Interaction and EGFR Inhibiting Activity. *Frontiers in Chemistry*, **2020**, 8, 210	5	16
41	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
40	Reversal of the photoinduced majority carriers in polypyrrole by semiconductor-insulator-semiconductor heterostructure and related highly-efficient photoreduction of Cr(VI). *Chemical Engineering Journal*, **2020**, 393, 124720	14.7	11
39	Self-Assembled Peptide Functionalized Gold Nanopolyhedrons with Excellent Chiral Optical Properties. *Langmuir*, **2020**, 36, 600-608	4	16
38	ToF-SIMS analysis of chemical composition of atmospheric aerosols in Beijing. *Surface and Interface Analysis*, **2020**, 52, 272-282	1.5	0
37	Photoactivatable diazido Pt(IV) anticancer complex can bind to and oxidize all four nucleosides. *Dalton Transactions*, **2020**, 49, 17157-17163	4.3	3
36	Reactions of a photoactivatable diazido Pt(iv) anticancer complex with a single-stranded oligodeoxynucleotide. *Dalton Transactions*, **2020**, 49, 11249-11259	4.3	2
35	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
34	The enhanced visible-light-driven antibacterial performances of PTCDI-PANI(Fe(III)-doped) heterostructure. *Journal of Hazardous Materials*, **2020**, 383, 121166	12.8	22
33	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
32	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
31	Proteomic Strategy for Identification of Proteins Responding to Cisplatin-Damaged DNA. *Analytical Chemistry*, **2019**, 91, 6035-6042	7.8	7

30	Doxorubicin loaded tumor-triggered targeting ammonium bicarbonate liposomes for tumor-specific drug delivery. *Colloids and Surfaces B: Biointerfaces*, **2019**, 178, 263-268	6	14
29	Elucidation of the Mechanism of Action for Metal Based Anticancer Drugs by Mass Spectrometry-Based Quantitative Proteomics. *Molecules*, **2019**, 24,	4.8	14
28	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
27	Amphiphilic hexadecyl-quaternized chitin micelles for doxorubicin delivery. *International Journal of Biological Macromolecules*, **2019**, 130, 615-621	7.9	6
26	Self-assembled CpG oligodeoxynucleotides conjugated hollow gold nanospheres to enhance cancer-associated immunostimulation. *Colloids and Surfaces B: Biointerfaces*, **2019**, 175, 248-255	6	12
25	Binding of Organometallic Ruthenium Anticancer Complexes to DNA: Thermodynamic Base and Sequence Selectivity. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	5
24	Correlated Secondary Ion Mass Spectrometry-Laser Scanning Confocal Microscopy Imaging for Single Cell-Principles and Applications. *Chinese Journal of Analytical Chemistry*, **2018**, 46, 1005-1016	1.6	4
23	Selective binding of an organoruthenium complex to G-rich human telomeric sequence by tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2018**, 32, 2152-2158	2.2	3
22	Probing the Dynamic Interaction between Damaged DNA and a Cellular Responsive Protein Using a Piezoelectric Mass Biosensor. *ACS Applied Materials & Interfaces*, **2017**, 9, 8490-8497	9.5	9
21	Deciphering of interactions between platinated DNA and HMGB1 by hydrogen/deuterium exchange mass spectrometry. *Dalton Transactions*, **2017**, 46, 6187-6195	4.3	2
20	Visualization of metallodrugs in single cells by secondary ion mass spectrometry imaging. *Journal of Biological Inorganic Chemistry*, **2017**, 22, 653-661	3.7	17
19	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
18	Evaluation of serum phosphopeptides as potential biomarkers of gastric cancer. *RSC Advances*, **2017**, 7, 21630-21637	3.7	6
17	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
16	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
15	Quantification of bindings of organometallic ruthenium complexes to GST by mass spectrometry. *Journal of Inorganic Biochemistry*, **2015**, 146, 44-51	4.2	8
14	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
13	Measuring Compositions in Organic Depth Profiling: Results from a VAMAS Interlaboratory Study. *Journal of Physical Chemistry B*, **2015**, 119, 10784-97	3.4	46

12	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
11	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
10	Evaluation of serum phosphopeptides as potential cancer biomarkers by mass spectrometric absolute quantification. *Talanta*, **2014**, 125, 411-7	6.2	19
9	Competitive binding sites of a ruthenium arene anticancer complex on oligonucleotides studied by mass spectrometry: ladder-sequencing versus top-down. *Journal of the American Society for Mass Spectrometry*, **2013**, 24, 410-20	3.5	26
8	Organometallic ruthenium anticancer complexes inhibit human glutathione-S-transferase □*Journal of Inorganic Biochemistry*, **2013**, 128, 77-84	4.2	30
7	Thymines in single-stranded oligonucleotides and G-quadruplex DNA are competitive with guanines for binding to an organoruthenium anticancer complex. *Inorganic Chemistry*, **2013**, 52, 11332-42	5.1	25
6	Mechanism of interstrand migration of organoruthenium anticancer complexes within a DNA duplex. *Metallomics*, **2012**, 4, 139-48	4.5	17
5	The anticancer drug cisplatin can cross-link the interdomain zinc site on human albumin. *Chemical Communications*, **2011**, 47, 6006-8	5.8	77
4	A comparative study on interactions of cisplatin and ruthenium arene anticancer complexes with metallothionein using MALDI-TOF-MS. *International Journal of Mass Spectrometry*, **2011**, 307, 79-84	1.9	15
3	Elucidation of the binding sites of sodium dodecyl sulfate to □lactoglobulin using hydrogen/deuterium exchange mass spectrometry combined with docking simulation. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 1429-36	2.2	19
2	Reactions of an organoruthenium anticancer complex with 2-mercaptobenzanilide--a model for the active-site cysteine of protein tyrosine phosphatase 1B. *Dalton Transactions*, **2011**, 40, 11519-29	4.3	9
1	Arene control over thiolate to sulfinate oxidation in albumin by organometallic ruthenium anticancer complexes. *Chemistry - A European Journal*, **2009**, 15, 6586-94	4.8	73