

# Kui Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

877  
citations

430442

18  
h-index

525886

27  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1251  
citing authors

#	ARTICLE	IF	CITATIONS
1	The anticancer drug cisplatin can cross-link the interdomain zinc site on human albumin. <i>Chemical Communications</i> , 2011, 47, 6006.	2.2	80
2	Arene Control over Thiolate to Sulfinate Oxidation in Albumin by Organometallic Ruthenium Anticancer Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 6586-6594.	1.7	77
3	Measuring Compositions in Organic Depth Profiling: Results from a VAMAS Interlaboratory Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10784-10797.	1.2	56
4	Discovery of a dual-targeting organometallic ruthenium complex with high activity inducing early stage apoptosis of cancer cells. <i>Metallomics</i> , 2015, 7, 1573-1583.	1.0	36
5	The enhanced visible-light-driven antibacterial performances of PTCDI-PANI(Fe(III)-doped) heterostructure. <i>Journal of Hazardous Materials</i> , 2020, 383, 121166.	6.5	35
6	Platinum(II) Terpyridine Anticancer Complexes Possessing Multiple Mode of DNA Interaction and EGFR Inhibiting Activity. <i>Frontiers in Chemistry</i> , 2020, 8, 210.	1.8	33
7	Competitive Binding Sites of a Ruthenium Arene Anticancer Complex on Oligonucleotides Studied by Mass Spectrometry: Ladder-Sequencing versus Top-Down. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 410-420.	1.2	32
8	Mass Spectrometric Proteomics Reveals that Nuclear Protein Positive Cofactor PC4 Selectively Binds to Cross-Linked DNA by a <i>trans</i> -Platinum Anticancer Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 2948-2951.	6.6	32
9	Organometallic ruthenium anticancer complexes inhibit human glutathione-S-transferase $\beta$ . <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 77-84.	1.5	30
10	Thymines in Single-Stranded Oligonucleotides and G-Quadruplex DNA Are Competitive with Guanines for Binding to an Organoruthenium Anticancer Complex. <i>Inorganic Chemistry</i> , 2013, 52, 11332-11342.	1.9	27
11	Self-Assembled Peptide Functionalized Gold Nanopolyhedrons with Excellent Chiral Optical Properties. <i>Langmuir</i> , 2020, 36, 600-608.	1.6	25
12	Visualization of metallodrugs in single cells by secondary ion mass spectrometry imaging. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 653-661.	1.1	24
13	Self-assembled CpG oligodeoxynucleotides conjugated hollow gold nanospheres to enhance cancer-associated immunostimulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 248-255.	2.5	23
14	Evaluation of serum phosphopeptides as potential cancer biomarkers by mass spectrometric absolute quantification. <i>Talanta</i> , 2014, 125, 411-417.	2.9	22
15	Correlated mass spectrometry and confocal microscopy imaging verifies the dual-targeting action of an organoruthenium anticancer complex. <i>Chemical Communications</i> , 2017, 53, 4136-4139.	2.2	21
16	Doxorubicin loaded tumor-triggered targeting ammonium bicarbonate liposomes for tumor-specific drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 263-268.	2.5	21
17	Elucidation of the binding sites of sodium dodecyl sulfate to $\beta$ -lactoglobulin using hydrogen/deuterium exchange mass spectrometry combined with docking simulation. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1429-1436.	0.7	20
18	Discovery of Cisplatin Binding to Thymine and Cytosine on a Single-Stranded Oligodeoxynucleotide by High Resolution FT-ICR Mass Spectrometry. <i>Molecules</i> , 2019, 24, 1852.	1.7	20

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19	Mechanism of interstrand migration of organoruthenium anticancer complexes within a DNA duplex. <i>Metallomics</i> , 2012, 4, 139.	1.0	19
20	Elucidation of the Mechanism of Action for Metal Based Anticancer Drugs by Mass Spectrometry-Based Quantitative Proteomics. <i>Molecules</i> , 2019, 24, 581.	1.7	19
21	A comparative study on interactions of cisplatin and ruthenium arene anticancer complexes with metallothionein using MALDI-TOF-MS. <i>International Journal of Mass Spectrometry</i> , 2011, 307, 79-84.	0.7	17
22	Reversal of the photoinduced majority carriers in polypyrrole by semiconductor-insulator-semiconductor heterostructure and related highly-efficient photoreduction of Cr(VI). <i>Chemical Engineering Journal</i> , 2020, 393, 124720.	6.6	16
23	Proteomic Strategy for Identification of Proteins Responding to Cisplatin-Damaged DNA. <i>Analytical Chemistry</i> , 2019, 91, 6035-6042.	3.2	14
24	Single cell imaging reveals cisplatin regulating interactions between transcription (co)factors and DNA. <i>Chemical Science</i> , 2021, 12, 5419-5429.	3.7	14
25	Probing the Dynamic Interaction between Damaged DNA and a Cellular Responsive Protein Using a Piezoelectric Mass Biosensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8490-8497.	4.0	13
26	Amphiphilic hexadecyl-quaternized chitin micelles for doxorubicin delivery. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 615-621.	3.6	13
27	Identification and discrimination of binding sites of an organoruthenium anticancer complex to single-stranded oligonucleotides by mass spectrometry. <i>Analyst</i> , 2014, 139, 4491-4496.	1.7	11
28	Reactions of an organoruthenium anticancer complex with 2-mercaptobenzanilide as a model for the active-site cysteine of protein tyrosine phosphatase 1B. <i>Dalton Transactions</i> , 2011, 40, 11519.	1.6	10
29	Binding of Organometallic Ruthenium Anticancer Complexes to DNA: Thermodynamic Base and Sequence Selectivity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2137.	1.8	10
30	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. <i>Inorganic Chemistry</i> , 2020, 59, 8468-8480.	1.9	10
31	Ligand Evolution in the Photoactivatable Platinum(IV) Anticancer Prodrugs. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	10
32	Quantification of bindings of organometallic ruthenium complexes to GST by mass spectrometry. <i>Journal of Inorganic Biochemistry</i> , 2015, 146, 44-51.	1.5	9
33	Evaluation of serum phosphopeptides as potential biomarkers of gastric cancer. <i>RSC Advances</i> , 2017, 7, 21630-21637.	1.7	9
34	Organometallic ruthenium anticancer complexes inhibit human peroxiredoxin I activity by binding to and inducing oxidation of its catalytic cysteine residue. <i>Metallomics</i> , 2019, 11, 546-555.	1.0	8
35	Correlated Secondary Ion Mass Spectrometry-Laser Scanning Confocal Microscopy Imaging for Single Cell-Principles and Applications. <i>Chinese Journal of Analytical Chemistry</i> , 2018, 46, 1005-1016.	0.9	7
36	Photoactivatable diazido Pt(IV) anticancer complex can bind to and oxidize all four nucleosides. <i>Dalton Transactions</i> , 2020, 49, 17157-17163.	1.6	7

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37	Reactions of a photoactivatable diazido Pt(IV) anticancer complex with a single-stranded oligodeoxynucleotide. Dalton Transactions, 2020, 49, 11249-11259.	1.6	7
38	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, 168-172.	0.7	6
39	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.	1.1	6
40	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.	0.7	5
41	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.	2.5	5
42	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.	1.5	4
43	Deciphering of interactions between platinated DNA and HMGB1 by hydrogen/deuterium exchange mass spectrometry. Dalton Transactions, 2017, 46, 6187-6195.	1.6	3
44	Mass spectrometric quantification of the binding ratio of metal-based anticancer complexes with protein thiols. Rapid Communications in Mass Spectrometry, 2019, 33, 951-958.	0.7	3
45	ToF-SIMS analysis of chemical composition of atmospheric aerosols in Beijing. Surface and Interface Analysis, 2020, 52, 272-282.	0.8	3
46	Antitumor Effects of pH-/Reduction-Responsive Fe <sub>3</sub> O <sub>4</sub> @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.	2.4	3
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, 414, 5561-5571.	1.9	2
48	Serum phosphopeptide profiling for colorectal cancer diagnosis using liquid chromatography-mass spectrometry. Rapid Communications in Mass Spectrometry, 2022, 36, e9316.	0.7	0