Guangyu Zhu

List of Publications by Year in Descending Order

90 papers	3,759 citations	37 h-index	59 g-index
100 ext. papers	4,467 ext. citations	7.8 avg, IF	5.62 L-index

#	Paper	IF	Citations
90	A platinum-based fluorescent "turn on" sensor to decipher the reduction of platinum(IV) prodrugs.. *Dalton Transactions*, **2022**,	4.3	1
89	Mineral Hydrogel from Inorganic Salts: Biocompatible Synthesis, All-in-One Charge Storage, and Possible Implications in the Origin of Life. *Advanced Functional Materials*, **2022**, 32, 2109302	15.6	1
88	An erythrocyte-delivered photoactivatable oxaliplatin nanoprodrug for enhanced antitumor efficacy and immune response. *Chemical Science*, **2021**, 12, 14353-14362	9.4	1
87	Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma. *Acta Biomaterialia*, **2021**, 129, 245-257	10.8	7
86	Synthesis of Core□Shell ScF3 Nanoparticles for Thermal Enhancement of Upconversion. *Chemistry of Materials*, **2021**, 33, 158-163	9.6	24
85	Nanomaterial-mediated platinum drug-based combinatorial cancer therapy. *View*, **2021**, 2, 20200030	7.8	8
84	On the hydrolytic stability of unsymmetric platinum(IV) anticancer prodrugs containing axial halogens. *Inorganic Chemistry Frontiers*, **2021**, 8, 3794-3802	6.8	6
83	An intramolecular photoswitch can significantly promote photoactivation of Pt(iv) prodrugs. *Chemical Science*, **2021**, 12, 6536-6542	9.4	10
82	Recent advances in the synthesis, stability, and activation of platinum(IV) anticancer prodrugs. *Coordination Chemistry Reviews*, **2021**, 442, 213991	23.2	21
81	Optimization of axial ligands to promote the photoactivation of BODIPY-conjugated platinum(IV) anticancer prodrugs. *Dalton Transactions*, **2021**, 50, 13737-13747	4.3	3
80	Catalytic enantioselective synthesis of chiral tetraarylmethanes. *Nature Catalysis*, **2020**, 3, 1010-1019	36.5	25
79	A Photocaged, Water-Oxidizing, and Nucleolus-Targeted Pt(IV) Complex with a Distinct Anticancer Mechanism. *Journal of the American Chemical Society*, **2020**, 142, 7803-7812	16.4	53
78	Blue-Pumped Deep Ultraviolet Lasing from Lanthanide-Doped Lu6O5F8 Upconversion Nanocrystals. *Advanced Optical Materials*, **2020**, 8, 1900968	8.1	22
77	BODI-Pt, a Green-Light-Activatable and Carboplatin-Based Platinum(IV) Anticancer Prodrug with Enhanced Activation and Cytotoxicity. *Inorganic Chemistry*, **2020**, 59, 11823-11833	5.1	14
76	Stability, Reduction, and Cytotoxicity of Platinum(IV) Anticancer Prodrugs Bearing Carbamate Axial Ligands: Comparison with Their Carboxylate Analogues. *Inorganic Chemistry*, **2020**, 59, 11676-11687	5.1	9
75	Layered double hydroxide nanostructures and nanocomposites for biomedical applications. *Journal of Materials Chemistry B*, **2019**, 7, 5583-5601	7.3	58
74	Phorbiplatin, a Highly Potent Pt(IV) Antitumor Prodrug That Can Be Controllably Activated by Red Light. *CheM*, **2019**, 5, 3151-3165	16.2	43

73	Emerging platinum(iv) prodrugs to combat cisplatin resistance: from isolated cancer cells to tumor microenvironment. *Dalton Transactions*, **2019**, 48, 2536-2544	4.3	67
72	Oleylamine-Mediated Synthesis of Small NaYbF4 Nanoparticles with Tunable Size. *Chemistry of Materials*, **2019**, 31, 4779-4786	9.6	57
71	Self-assembled Lipid Nanoparticles for Ratiometric Codelivery of Cisplatin and siRNA Targeting XPF to Combat Drug Resistance in Lung Cancer. *Chemistry - an Asian Journal*, **2019**, 14, 1570-1576	4.5	9
70	Synthesis and Cytotoxic Study of a Platinum(IV) Anticancer Prodrug with Selectivity toward Luteinizing Hormone-Releasing Hormone (LHRH) Receptor-Positive Cancer Cells. *Inorganic Chemistry*, **2019**, 58, 11076-11084	5.1	13
69	Synthesis, Cytotoxicity, and Mechanistic Investigation of Platinum(IV) Anticancer Complexes Conjugated with Poly(ADP-ribose) Polymerase Inhibitors. *Inorganic Chemistry*, **2019**, 58, 16279-16291	5.1	11
68	Facile Synthesis of Nitrogen-Rich Carbon Dots as Fertilizers for Mung Bean Sprouts. *Advanced Sustainable Systems*, **2019**, 3, 1800132	5.9	30
67	A Cisplatin-Loaded Immunochemotherapeutic Nanohybrid Bearing Immune Checkpoint Inhibitors for Enhanced Cervical Cancer Therapy. *Angewandte Chemie - International Edition*, **2018**, 57, 3426-3430	16.4	80
66	A Cancer Cell-Selective and Low-Toxic Bifunctional Heterodinuclear Pt(IV)-Ru(II) Anticancer Prodrug. *Inorganic Chemistry*, **2018**, 57, 2917-2924	5.1	36
65	An upconversion nanoplatform with extracellular pH-driven tumor-targeting ability for improved photodynamic therapy. *Nanoscale*, **2018**, 10, 4432-4441	7.7	21
64	Upconversion in Nanostructured Materials: From Optical Tuning to Biomedical Applications. *Chemistry - an Asian Journal*, **2018**, 13, 373-385	4.5	34
63	Electrotaxis of tumor-initiating cells of H1975 lung adenocarcinoma cells is associated with both activation of stretch-activated cation channels (SACCs) and internal calcium release. *Bioelectrochemistry*, **2018**, 124, 80-92	5.6	10
62	A Cisplatin-Loaded Immunochemotherapeutic Nanohybrid Bearing Immune Checkpoint Inhibitors for Enhanced Cervical Cancer Therapy. *Angewandte Chemie*, **2018**, 130, 3484-3488	3.6	15
61	DNA Damage Repair Pathways and Repair of Cisplatin-Induced DNA Damage **2018**,		1
60	Monochalcoplatin: An Actively Transported, Quickly Reducible, and Highly Potent Pt Anticancer Prodrug. *Angewandte Chemie - International Edition*, **2018**, 57, 9098-9102	16.4	42
59	Monochalcoplatin: An Actively Transported, Quickly Reducible, and Highly Potent PtIV Anticancer Prodrug. *Angewandte Chemie*, **2018**, 130, 9236-9240	3.6	11
58	Synthesis, Structure, and Cytotoxicity of Oxaliplatin-Based Platinum(IV) Anticancer Prodrugs Bearing One Axial Fluoride. *Inorganic Chemistry*, **2018**, 57, 8227-8235	5.1	15
57	Investigation of the Subcellular Neurotoxicity of Amyloid-Using a Device Integrating Microfluidic Perfusion and Chemotactic Guidance. *Advanced Healthcare Materials*, **2017**, 6, 1600895	10.1	11
56	Firmly anchored photosensitizer Chlorin e6 to layered double hydroxide nanoflakes for highly efficient photodynamic therapy in vivo. *Chemical Communications*, **2017**, 53, 2339-2342	5.8	21

55	Two-photon-excited near-infrared emissive carbon dots as multifunctional agents for fluorescence imaging and photothermal therapy. *Nano Research*, **2017**, 10, 3113-3123	10	170
54	Chemoresistant lung cancer stem cells display high DNA repair capability to remove cisplatin-induced DNA damage. *British Journal of Pharmacology*, **2017**, 174, 302-313	8.6	28
53	A General Strategy for Ligand Exchange on Upconversion Nanoparticles. *Inorganic Chemistry*, **2017**, 56, 872-877	5.1	62
52	Size Controllable and Surface Tunable Zeolitic Imidazolate Framework-8-Poly(acrylic acid sodium salt) Nanocomposites for pH Responsive Drug Release and Enhanced in Vivo Cancer Treatment. *ACS Applied Materials & Interfaces*, **2017**, 9, 32990-33000	9.5	54
51	Cytotoxic (salen)ruthenium(iii) anticancer complexes exhibit different modes of cell death directed by axial ligands. *Chemical Science*, **2017**, 8, 6865-6870	9.4	33
50	Halogenated PtIV Complexes from N-Halosuccinimide Oxidation of PtII Antitumor Drugs: Synthesis, Mechanistic Investigation, and Cytotoxicity. *European Journal of Inorganic Chemistry*, **2017**, 2017, 1706-1712	2.3	11
49	A Platinum(IV) Anticancer Prodrug Targeting Nucleotide Excision Repair To Overcome Cisplatin Resistance. *Angewandte Chemie*, **2016**, 128, 15793-15797	3.6	20
48	Diamond-Nanoneedle-Array-Facilitated Intracellular Delivery and the Potential Influence on Cell Physiology. *Advanced Healthcare Materials*, **2016**, 5, 1157-68	10.1	19
47	Graphitic Carbon Nanocubes Derived from ZIF-8 for Photothermal Therapy. *Inorganic Chemistry*, **2016**, 55, 5750-2	5.1	13
46	Selectivity profile of afatinib for EGFR-mutated non-small-cell lung cancer. *Molecular BioSystems*, **2016**, 12, 1552-63		4
45	An upconversion nanoplatform for simultaneous photodynamic therapy and Pt chemotherapy to combat cisplatin resistance. *Dalton Transactions*, **2016**, 45, 13052-60	4.3	45
44	Multimodal Upconversion Nanoplatform with a Mitochondria-Targeted Property for Improved Photodynamic Therapy of Cancer Cells. *Inorganic Chemistry*, **2016**, 55, 3872-80	5.1	53
43	Self-Assembly of Electron Donor-Acceptor-Based Carbazole Derivatives: Novel Fluorescent Organic Nanoprobes for Both One- and Two-Photon Cellular Imaging. *ACS Applied Materials & Interfaces*, **2016**, 8, 11355-65	9.5	46
42	A Platinum(IV) Anticancer Prodrug Targeting Nucleotide Excision Repair To Overcome Cisplatin Resistance. *Angewandte Chemie - International Edition*, **2016**, 55, 15564-15568	16.4	84
41	Heterodinuclear Pt(iv)-Ru(ii) anticancer prodrugs to combat both drug resistance and tumor metastasis. *Chemical Communications*, **2016**, 52, 10735-8	5.8	54
40	Intracellular Delivery: Diamond-Nanoneedle-Array-Facilitated Intracellular Delivery and the Potential Influence on Cell Physiology (Adv. Healthcare Mater. 10/2016). *Advanced Healthcare Materials*, **2016**, 5, 1116	10.1	2
39	Combined chemotherapy and photodynamic therapy using a nanohybrid based on layered double hydroxides to conquer cisplatin resistance. *Chemical Communications*, **2015**, 51, 11587-90	5.8	66
38	An upconversion nanoprobe operating in the first biological window. *Journal of Materials Chemistry B*, **2015**, 3, 3548-3555	7.3	41

37	Efficient co-delivery of a Pt(IV) prodrug and a p53 activator to enhance the anticancer activity of cisplatin. *Chemical Communications*, **2015**, 51, 7859-62	5.8	23
36	Self-Monitoring and Self-Delivery of Photosensitizer-Doped Nanoparticles for Highly Effective Combination Cancer Therapy in Vitro and in Vivo. *ACS Nano*, **2015**, 9, 9741-56	16.7	129
35	Mono- and di-bromo platinum(IV) prodrugs via oxidative bromination: synthesis, characterization, and cytotoxicity. *Dalton Transactions*, **2015**, 44, 19918-26	4.3	20
34	Organocatalytic asymmetric synthesis of 1,1-diarylethanes by transfer hydrogenation. *Journal of the American Chemical Society*, **2015**, 137, 383-9	16.4	224
33	A monofunctional platinum(II)-based anticancer agent from a salicylanilide derivative: Synthesis, antiproliferative activity, and transcription inhibition. *Journal of Inorganic Biochemistry*, **2015**, 142, 118-25	4.2	14
32	A core-shell-shell nanoplatform upconverting near-infrared light at 808 nm for luminescence imaging and photodynamic therapy of cancer. *Scientific Reports*, **2015**, 5, 10785	4.9	132
31	Dense diamond nanoneedle arrays for enhanced intracellular delivery of drug molecules to cell lines. *Journal of Materials Science*, **2015**, 50, 7800-7807	4.3	14
30	Chalcoplatin, a dual-targeting and p53 activator-containing anticancer platinum(IV) prodrug with unique mode of action. *Chemical Communications*, **2015**, 51, 6301-4	5.8	81
29	Improved polyvinylpyrrolidone microneedle arrays with non-stoichiometric cyclodextrin. *Journal of Materials Chemistry B*, **2014**, 2, 1699-1705	7.3	36
28	Multi-targeted organometallic ruthenium(II)-arene anticancer complexes bearing inhibitors of poly(ADP-ribose) polymerase-1: A strategy to improve cytotoxicity. *Journal of Inorganic Biochemistry*, **2014**, 131, 47-55	4.2	35
27	Platinated benzonaphthyridone is a stronger inhibitor of poly(ADP-ribose) polymerase-1 and a more potent anticancer agent than is the parent inhibitor. *European Journal of Medicinal Chemistry*, **2014**, 71, 366-73	6.8	7
26	Poking cells for efficient vector-free intracellular delivery. *Nature Communications*, **2014**, 5, 4466	17.4	84
25	Novel Pt-loaded layered double hydroxide nanoparticles for efficient and cancer-cell specific delivery of a cisplatin prodrug. *Journal of Materials Chemistry B*, **2014**, 2, 4868-4875	7.3	31
24	Nanocomposite-strengthened dissolving microneedles for improved transdermal delivery to human skin. *Advanced Healthcare Materials*, **2014**, 3, 555-64	10.1	46
23	Vaccine Delivery: Nanocomposite-Strengthened Dissolving Microneedles for Improved Transdermal Delivery to Human Skin (Adv. Healthcare Mater. 4/2014). *Advanced Healthcare Materials*, **2014**, 3, 462-462	10.1	2
22	Visualizing inhibition of nucleosome mobility and transcription by cisplatin-DNA interstrand crosslinks in live mammalian cells. *Cancer Research*, **2013**, 73, 4451-60	10.1	22
21	Folic acid conjugated self-assembled layered double hydroxide nanoparticles for high-efficacy-targeted drug delivery. *Chemical Communications*, **2013**, 49, 10938-40	5.8	56
20	Complex bioactive alkaloid-type polycycles through efficient catalytic asymmetric multicomponent aza-Diels-Alder reaction of indoles with oxetane as directing group. *Angewandte Chemie - International Edition*, **2013**, 52, 2027-31	16.4	171

19	A diamond nanoneedle array for potential high-throughput intracellular delivery. *Advanced Healthcare Materials*, **2013**, 2, 1103-7	10.1	33
18	Upconverting near-infrared light through energy management in core-shell-shell nanoparticles. *Angewandte Chemie - International Edition*, **2013**, 52, 13419-23	16.4	282
17	Upconverting Near-Infrared Light through Energy Management in Core–Shell–Shell Nanoparticles. *Angewandte Chemie*, **2013**, 125, 13661-13665	3.6	44
16	Characterization of inhibitors of glucocorticoid receptor nuclear translocation: a model of cytoplasmic dynein-mediated cargo transport. *Assay and Drug Development Technologies*, **2012**, 10, 46-60	2.1	10
15	Monofunctional platinum-DNA adducts are strong inhibitors of transcription and substrates for nucleotide excision repair in live mammalian cells. *Cancer Research*, **2012**, 72, 790-800	10.1	59
14	Role of endonucleases XPF and XPG in nucleotide excision repair of platinated DNA and cisplatin/oxaliplatin cytotoxicity. *ChemBioChem*, **2011**, 12, 1115-23	3.8	39
13	X-ray structure and mechanism of RNA polymerase II stalled at an antineoplastic monofunctional platinum-DNA adduct. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 9584-9	11.5	105
12	Recognition of platinum-DNA damage by poly(ADP-ribose) polymerase-1. *Biochemistry*, **2010**, 49, 6177-83	3.2	44
11	High-content analysis of cancer-cell-specific apoptosis and inhibition of in vivo angiogenesis by synthetic (-)-pironetin and analogs. *Chemical Biology and Drug Design*, **2009**, 74, 358-68	2.9	28
10	Photoaffinity labeling reveals nuclear proteins that uniquely recognize cisplatin-DNA interstrand cross-links. *Biochemistry*, **2009**, 48, 4916-25	3.2	69
9	Pyrimidinone-peptoid hybrid molecules with distinct effects on molecular chaperone function and cell proliferation. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 3291-301	3.4	74
8	Structure-activity and high-content imaging analyses of novel tubulysins. *Chemical Biology and Drug Design*, **2007**, 70, 75-86	2.9	60
7	Synthesis and biological evaluation of purealin and analogues as cytoplasmic dynein heavy chain inhibitors. *Journal of Medicinal Chemistry*, **2006**, 49, 2063-76	8.3	39
6	Synthesis and biological evaluation of (-)-16-normethyldictyostatin: a potent analogue of (-)-dictyostatin. *Organic Letters*, **2005**, 7, 2873-6	6.2	44
5	Tubulin assembly, taxoid site binding, and cellular effects of the microtubule-stabilizing agent dictyostatin. *Biochemistry*, **2005**, 44, 15053-63	3.2	84
4	New antiestrogens from a library screen of homoallylic amides, allylic amides, and C-cyclopropylalkylamides. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 157-64	3.4	11
3	Extracellular Vesicles for the Diagnosis of Cancers. *Small Structures*,2100096	8.7	0
2	Platinum-containing heterometallic complexes in cancer therapy: advances and perspectives. *Inorganic Chemistry Frontiers*,	6.8	5

1	Organocatalytic Discrimination of Non-Directing Aryl and Heteroaryl Groups: Enantioselective Synthesis of Bioactive Indole-Containing Triarylmethanes. *Chemical Science*,	9.4	4