

# Guangyu Zhu

## List of Publications by Year in descending order

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94  
papers

5,167  
citations

61984

43  
h-index

91884

69  
g-index

100  
all docs

100  
docs citations

100  
times ranked

7027  
citing authors

#	ARTICLE	IF	CITATIONS
1	Upconverting Near-Infrared Light through Energy Management in Core-Shell Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13419-13423.	13.8	315
2	Organocatalytic Asymmetric Synthesis of 1,1-Diarylethanes by Transfer Hydrogenation. <i>Journal of the American Chemical Society</i> , 2015, 137, 383-389.	13.7	262
3	Two-photon-excited near-infrared emissive carbon dots as multifunctional agents for fluorescence imaging and photothermal therapy. <i>Nano Research</i> , 2017, 10, 3113-3123.	10.4	246
4	Complex Bioactive Alkaloid-Type Polycycles through Efficient Catalytic Asymmetric Multicomponent Aza-Diels-Alder Reaction of Indoles with Oxetane as Directing Group. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2027-2031.	13.8	191
5	A core-shell-shell nanoplatform upconverting near-infrared light at 808 nm for luminescence imaging and photodynamic therapy of cancer. <i>Scientific Reports</i> , 2015, 5, 10785.	3.3	150
6	Self-Monitoring and Self-Delivery of Photosensitizer-Doped Nanoparticles for Highly Effective Combination Cancer Therapy <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2015, 9, 9741-9756.	14.6	149
7	A Photocaged, Water-Oxidizing, and Nucleolus-Targeted Pt(IV) Complex with a Distinct Anticancer Mechanism. <i>Journal of the American Chemical Society</i> , 2020, 142, 7803-7812.	13.7	144
8	X-ray structure and mechanism of RNA polymerase II stalled at an antineoplastic monofunctional platinum-DNA adduct. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9584-9589.	7.1	116
9	Emerging platinum( <i>iv</i> ) prodrugs to combat cisplatin resistance: from isolated cancer cells to tumor microenvironment. <i>Dalton Transactions</i> , 2019, 48, 2536-2544.	3.3	115
10	A Platinum(IV) Anticancer Prodrug Targeting Nucleotide Excision Repair To Overcome Cisplatin Resistance. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15564-15568.	13.8	108
11	Layered double hydroxide nanostructures and nanocomposites for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5583-5601.	5.8	108
12	Phorbiplatin, a Highly Potent Pt(IV) Antitumor Prodrug That Can Be Controllably Activated by Red Light. <i>CheM</i> , 2019, 5, 3151-3165.	11.7	107
13	A General Strategy for Ligand Exchange on Upconversion Nanoparticles. <i>Inorganic Chemistry</i> , 2017, 56, 872-877.	4.0	106
14	Poking cells for efficient vector-free intracellular delivery. <i>Nature Communications</i> , 2014, 5, 4466.	12.8	104
15	A Cisplatin-Loaded Immunochemotherapeutic Nanohybrid Bearing Immune Checkpoint Inhibitors for Enhanced Cervical Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3426-3430.	13.8	97
16	Pyrimidinone-peptoid hybrid molecules with distinct effects on molecular chaperone function and cell proliferation. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3291-3301.	3.0	90
17	Chalcoptatin, a dual-targeting and p53 activator-containing anticancer platinum( <i>iv</i> ) prodrug with unique mode of action. <i>Chemical Communications</i> , 2015, 51, 6301-6304.	4.1	90
18	Recent advances in the synthesis, stability, and activation of platinum(IV) anticancer prodrugs. <i>Coordination Chemistry Reviews</i> , 2021, 442, 213991.	18.8	89

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19	Tubulin Assembly, Taxoid Site Binding, and Cellular Effects of the Microtubule-Stabilizing Agent Dicyclopentadiene. <i>Biochemistry</i> , 2005, 44, 15053-15063.	2.5	88
20	Oleylamine-Mediated Synthesis of Small NaYbF <sub>4</sub> Nanoparticles with Tunable Size. <i>Chemistry of Materials</i> , 2019, 31, 4779-4786.	6.7	83
21	Combined chemotherapy and photodynamic therapy using a nanohybrid based on layered double hydroxides to conquer cisplatin resistance. <i>Chemical Communications</i> , 2015, 51, 11587-11590.	4.1	79
22	Photoaffinity Labeling Reveals Nuclear Proteins That Uniquely Recognize Cisplatin-DNA Interstrand Cross-Links. <i>Biochemistry</i> , 2009, 48, 4916-4925.	2.5	73
23	Heterodinuclear Pt(IV)-Ru(II) anticancer prodrugs to combat both drug resistance and tumor metastasis. <i>Chemical Communications</i> , 2016, 52, 10735-10738.	4.1	70
24	Size Controllable and Surface Tunable Zeolitic Imidazolate Framework-8-Poly(acrylic acid sodium) Tj ETQqO O O rgBT /Overlock 10 Tf 5 ACS Applied Materials & Interfaces, 2017, 9, 32990-33000.	8.0	69
25	Structure-activity and High-content Imaging Analyses of Novel Tubulysins. <i>Chemical Biology and Drug Design</i> , 2007, 70, 75-86.	3.2	65
26	Monofunctional Platinum-DNA Adducts Are Strong Inhibitors of Transcription and Substrates for Nucleotide Excision Repair in Live Mammalian Cells. <i>Cancer Research</i> , 2012, 72, 790-800.	0.9	65
27	Folic acid conjugated self-assembled layered double hydroxide nanoparticles for high-efficacy-targeted drug delivery. <i>Chemical Communications</i> , 2013, 49, 10938.	4.1	63
28	Multimodal Upconversion Nanoplatfom with a Mitochondria-Targeted Property for Improved Photodynamic Therapy of Cancer Cells. <i>Inorganic Chemistry</i> , 2016, 55, 3872-3880.	4.0	62
29	Nanocomposite-Strengthened Dissolving Microneedles for Improved Transdermal Delivery to Human Skin. <i>Advanced Healthcare Materials</i> , 2014, 3, 555-564.	7.6	61
30	Monochalcoplatin: An Actively Transported, Quickly Reducible, and Highly Potent Pt <sup>IV</sup> Anticancer Prodrug. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9098-9102.	13.8	59
31	Catalytic enantioselective synthesis of chiral tetraarylmethanes. <i>Nature Catalysis</i> , 2020, 3, 1010-1019.	34.4	59
32	An upconversion nanoplatfom for simultaneous photodynamic therapy and Pt chemotherapy to combat cisplatin resistance. <i>Dalton Transactions</i> , 2016, 45, 13052-13060.	3.3	58
33	Improved polyvinylpyrrolidone microneedle arrays with non-stoichiometric cyclodextrin. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1699-1705.	5.8	57
34	Recognition of Platinum-DNA Damage by Poly(ADP-ribose) Polymerase-1. <i>Biochemistry</i> , 2010, 49, 6177-6183.	2.5	56
35	Self-Assembly of Electron Donor-Acceptor-Based Carbazole Derivatives: Novel Fluorescent Organic Nanoprobes for Both One- and Two-Photon Cellular Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 11355-11365.	8.0	56
36	A Cancer Cell-Selective and Low-Toxic Bifunctional Heterodinuclear Pt(IV)-Ru(II) Anticancer Prodrug. <i>Inorganic Chemistry</i> , 2018, 57, 2917-2924.	4.0	56

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37	Synthesis of Core-Shell $\text{ScF}_3$ Nanoparticles for Thermal Enhancement of Upconversion. <i>Chemistry of Materials</i> , 2021, 33, 158-163.	6.7	55
38	An upconversion nanoprobe operating in the first biological window. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3548-3555.	5.8	49
39	Upconversion in Nanostructured Materials: From Optical Tuning to Biomedical Applications. <i>Chemistry - an Asian Journal</i> , 2018, 13, 373-385.	3.3	48
40	Role of Endonucleases XPF and XPG in Nucleotide Excision Repair of Platinated DNA and Cisplatin/Oxaliplatin Cytotoxicity. <i>ChemBioChem</i> , 2011, 12, 1115-1123.	2.6	46
41	Cytotoxic (salen)ruthenium(III) anticancer complexes exhibit different modes of cell death directed by axial ligands. <i>Chemical Science</i> , 2017, 8, 6865-6870.	7.4	46
42	Synthesis and Biological Evaluation of ( $\lambda^7$ )-16-Normethyl dictyostatin: A Potent Analogue of ( $\lambda^7$ )-Dictyostatin. <i>Organic Letters</i> , 2005, 7, 2873-2876.	4.6	45
43	Multi-targeted organometallic ruthenium(II)-arene anticancer complexes bearing inhibitors of poly(ADP-ribose) polymerase-1: A strategy to improve cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2014, 131, 47-55.	3.5	43
44	BODI-Pt, a Green-Light-Activatable and Carboplatin-Based Platinum(IV) Anticancer Prodrug with Enhanced Activation and Cytotoxicity. <i>Inorganic Chemistry</i> , 2020, 59, 11823-11833.	4.0	42
45	Synthesis and Biological Evaluation of Puralin and Analogues as Cytoplasmic Dynein Heavy Chain Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2063-2076.	6.4	41
46	Facile Synthesis of Nitrogen-Rich Carbon Dots as Fertilizers for Mung Bean Sprouts. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800132.	5.3	40
47	Blue-Pumped Deep Ultraviolet Lasing from Lanthanide-Doped $\text{Lu}_6\text{O}_5\text{F}_8$ Upconversion Nanocrystals. <i>Advanced Optical Materials</i> , 2020, 8, 1900968.	7.3	40
48	Monochalcoplatin: An Actively Transported, Quickly Reducible, and Highly Potent $\text{Pt}^{\text{IV}}$ Anticancer Prodrug. <i>Angewandte Chemie</i> , 2018, 130, 9236-9240.	2.0	39
49	A Diamond Nanoneedle Array for Potential High-Throughput Intracellular Delivery. <i>Advanced Healthcare Materials</i> , 2013, 2, 1103-1107.	7.6	38
50	Chemoresistant lung cancer stem cells display high DNA repair capability to remove cisplatin-induced DNA damage. <i>British Journal of Pharmacology</i> , 2017, 174, 302-313.	5.4	38
51	Novel Pt-loaded layered double hydroxide nanoparticles for efficient and cancer-cell specific delivery of a cisplatin prodrug. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4868.	5.8	35
52	Platinum-containing heterometallic complexes in cancer therapy: advances and perspectives. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2424-2453.	6.0	33
53	High-Content Analysis of Cancer-Cell-Specific Apoptosis and Inhibition of <i>in Vivo</i> Angiogenesis by Synthetic ( $\lambda^7$ )-Pironetin and Analogs. <i>Chemical Biology and Drug Design</i> , 2009, 74, 358-368.	3.2	31
54	Stability, Reduction, and Cytotoxicity of Platinum(IV) Anticancer Prodrugs Bearing Carbamate Axial Ligands: Comparison with Their Carboxylate Analogues. <i>Inorganic Chemistry</i> , 2020, 59, 11676-11687.	4.0	31

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55	An intramolecular photoswitch can significantly promote photoactivation of Pt( <i>iv</i> ) prodrugs. <i>Chemical Science</i> , 2021, 12, 6536-6542.	7.4	31
56	Visualizing Inhibition of Nucleosome Mobility and Transcription by Cisplatin-DNA Interstrand Crosslinks in Live Mammalian Cells. <i>Cancer Research</i> , 2013, 73, 4451-4460.	0.9	29
57	Efficient co-delivery of a Pt( <i>iv</i> ) prodrug and a p53 activator to enhance the anticancer activity of cisplatin. <i>Chemical Communications</i> , 2015, 51, 7859-7862.	4.1	29
58	Firmly anchored photosensitizer Chlorin e6 to layered double hydroxide nanoflakes for highly efficient photodynamic therapy in vivo. <i>Chemical Communications</i> , 2017, 53, 2339-2342.	4.1	29
59	Nanomaterial-mediated platinum drug-based combinatorial cancer therapy. <i>View</i> , 2021, 2, 20200030.	5.3	28
60	Diamond Nanoneedle Array-Facilitated Intracellular Delivery and the Potential Influence on Cell Physiology. <i>Advanced Healthcare Materials</i> , 2016, 5, 1157-1168.	7.6	27
61	An upconversion nanoplatform with extracellular pH-driven tumor-targeting ability for improved photodynamic therapy. <i>Nanoscale</i> , 2018, 10, 4432-4441.	5.6	26
62	Mono- and di-bromo platinum( <i>iv</i> ) prodrugs via oxidative bromination: synthesis, characterization, and cytotoxicity. <i>Dalton Transactions</i> , 2015, 44, 19918-19926.	3.3	24
63	Synthesis, Structure, and Cytotoxicity of Oxaliplatin-Based Platinum( <i>IV</i> ) Anticancer Prodrugs Bearing One Axial Fluoride. <i>Inorganic Chemistry</i> , 2018, 57, 8227-8235.	4.0	24
64	A Platinum( <i>IV</i> ) Anticancer Prodrug Targeting Nucleotide Excision Repair To Overcome Cisplatin Resistance. <i>Angewandte Chemie</i> , 2016, 128, 15793-15797.	2.0	23
65	Graphitic Carbon Nanocubes Derived from ZIF-8 for Photothermal Therapy. <i>Inorganic Chemistry</i> , 2016, 55, 5750-5752.	4.0	21
66	Synthesis and Cytotoxic Study of a Platinum( <i>IV</i> ) Anticancer Prodrug with Selectivity toward Luteinizing Hormone-Releasing Hormone (LHRH) Receptor-Positive Cancer Cells. <i>Inorganic Chemistry</i> , 2019, 58, 11076-11084.	4.0	20
67	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. <i>Bioelectrochemistry</i> , 2018, 124, 80-92.	4.6	19
68	Dense diamond nanoneedle arrays for enhanced intracellular delivery of drug molecules to cell lines. <i>Journal of Materials Science</i> , 2015, 50, 7800-7807.	3.7	17
69	Self-assembled Lipid Nanoparticles for Ratiometric Codelivery of Cisplatin and siRNA Targeting XPF to Combat Drug Resistance in Lung Cancer. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1570-1576.	3.3	17
70	Enhancing Circulation and Tumor Accumulation of Carboplatin via an Erythrocyte-Anchored Prodrug Strategy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	17
71	A monofunctional platinum( <i>II</i> )-based anticancer agent from a salicylanilide derivative: Synthesis, antiproliferative activity, and transcription inhibition. <i>Journal of Inorganic Biochemistry</i> , 2015, 142, 118-125.	3.5	16
72	Investigation of the Subcellular Neurotoxicity of Amyloid- $\beta$ Using a Device Integrating Microfluidic Perfusion and Chemotactic Guidance. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600895.	7.6	16

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73	Synthesis, Cytotoxicity, and Mechanistic Investigation of Platinum(IV) Anticancer Complexes Conjugated with Poly(ADP-ribose) Polymerase Inhibitors. <i>Inorganic Chemistry</i> , 2019, 58, 16279-16291.	4.0	16
74	A Cisplatin-Loaded Immunochemotherapeutic Nanohybrid Bearing Immune Checkpoint Inhibitors for Enhanced Cervical Cancer Therapy. <i>Angewandte Chemie</i> , 2018, 130, 3484-3488.	2.0	15
75	Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma. <i>Acta Biomaterialia</i> , 2021, 129, 245-257.	8.3	15
76	An erythrocyte-delivered photoactivatable oxaliplatin nanoprodruge for enhanced antitumor efficacy and immune response. <i>Chemical Science</i> , 2021, 12, 14353-14362.	7.4	15
77	On the hydrolytic stability of unsymmetric platinum(IV) anticancer prodrugs containing axial halogens. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3794-3802.	6.0	14
78	Optimization of axial ligands to promote the photoactivation of BODIPY-conjugated platinum(IV) anticancer prodrugs. <i>Dalton Transactions</i> , 2021, 50, 13737-13747.	3.3	14
79	Mineral Hydrogel from Inorganic Salts: Biocompatible Synthesis, All-in-One Charge Storage, and Possible Implications in the Origin of Life. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	14
80	Halogenated Pt(IV) Complexes from N-Halosuccinimide Oxidation of Pt(II) Antitumor Drugs: Synthesis, Mechanistic Investigation, and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1706-1712.	2.0	13
81	Characterization of Inhibitors of Glucocorticoid Receptor Nuclear Translocation: A Model of Cytoplasmic Dynein-Mediated Cargo Transport. <i>Assay and Drug Development Technologies</i> , 2012, 10, 46-60.	1.2	12
82	New antiestrogens from a library screen of homoallylic amides, allylic amides, and C-cyclopropylalkylamides. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 157-164.	3.0	11
83	Platinated benzonaphthridone is a stronger inhibitor of poly(ADP-ribose) polymerase-1 and a more potent anticancer agent than is the parent inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2014, 71, 366-373.	5.5	10
84	Organocatalytic discrimination of non-directing aryl and heteroaryl groups: enantioselective synthesis of bioactive indole-containing triarylmethanes. <i>Chemical Science</i> , 2022, 13, 5767-5773.	7.4	10
85	Extracellular Vesicles for the Diagnosis of Cancers. <i>Small Structures</i> , 2022, 3, 2100096.	12.0	7
86	A platinum-based fluorescent $\alpha$ -turn on sensor to decipher the reduction of platinum(IV) prodrugs. <i>Dalton Transactions</i> , 2022, 51, 5394-5398.	3.3	7
87	Selectivity profile of afatinib for EGFR-mutated non-small-cell lung cancer. <i>Molecular BioSystems</i> , 2016, 12, 1552-1563.	2.9	6
88	Is antitumor Pt(IV) complex containing two axial lonidamine ligands a true dual- or multi-action prodrug?. <i>Metallomics</i> , 2022, 14, .	2.4	6
89	The influence of different carbonate ligands on the hydrolytic stability and reduction of platinum(IV) prodrugs. <i>Dalton Transactions</i> , 2022, 51, 885-897.	3.3	5
90	DNA Damage Repair Pathways and Repair of Cisplatin-Induced DNA Damage. , 2018, , .		3

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91	Enhancing Circulation and Tumor Accumulation of Carboplatin via an Erythrocyte-Anchored Prodrug Strategy. <i>Angewandte Chemie</i> , 0, , .	2.0	3
92	Vaccine Delivery: Nanocomposite-Strengthened Dissolving Microneedles for Improved Transdermal Delivery to Human Skin ( <i>Adv. Healthcare Mater.</i> 4/2014). <i>Advanced Healthcare Materials</i> , 2014, 3, 462-462.	7.6	2
93	Intracellular Delivery: Diamond-Nanoneedle-Array-Facilitated Intracellular Delivery and the Potential Influence on Cell Physiology ( <i>Adv. Healthcare Mater.</i> 10/2016). <i>Advanced Healthcare Materials</i> , 2016, 5, 1116-1116.	7.6	2
94	Abstract: A Platinum(IV) Anticancer Prodrug Targeting Nucleotide Excision Repair To Overcome Cisplatin Resistance ( <i>Angew. Chem.</i> 50/2016). <i>Angewandte Chemie</i> , 2016, 128, 15910-15910.	2.0	0