

Dengshuai Wei

List of Publications by Year in descending order

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71
papers

4,798
citations

87888

38
h-index

98798

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71
times ranked

5414
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Cisplatin Chemotherapy by Iron Oxide Nanocarrier-Mediated Generation of Highly Toxic Reactive Oxygen Species. <i>Nano Letters</i> , 2017, 17, 928-937.	9.1	548
2	The challenge and prospect of mRNA therapeutics landscape. <i>Biotechnology Advances</i> , 2020, 40, 107534.	11.7	221
3	RNAi therapeutic and its innovative biotechnological evolution. <i>Biotechnology Advances</i> , 2019, 37, 801-825.	11.7	196
4	A prodrug strategy to deliver cisplatin(IV) and paclitaxel in nanomicelles to improve efficacy and tolerance. <i>Biomaterials</i> , 2012, 33, 6507-6519.	11.4	182
5	Illuminating Platinum Transportation while Maximizing Therapeutic Efficacy by Gold Nanoclusters via Simultaneous Near-Infrared-I/II Imaging and Glutathione Scavenging. <i>ACS Nano</i> , 2020, 14, 13536-13547.	14.6	181
6	Biodegradable polymer cisplatin(IV) conjugate as a pro-drug of cisplatin(II). <i>Biomaterials</i> , 2011, 32, 7732-7739.	11.4	179
7	Light-activatable liposomes for repetitive on-demand drug release and immunopotential in hypoxic tumor therapy. <i>Biomaterials</i> , 2021, 265, 120456.	11.4	146
8	Dual Drug Backboned Shattering Polymeric Theranostic Nanomedicine for Synergistic Eradication of Patient-Derived Lung Cancer. <i>Advanced Materials</i> , 2018, 30, 1706220.	21.0	142
9	A Nanobody-Conjugated DNA Nanoplatfor for Targeted Platinum Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14224-14228.	13.8	135
10	Sandwich-Like Fibers/Sponge Composite Combining Chemotherapy and Hemostasis for Efficient Postoperative Prevention of Tumor Recurrence and Metastasis. <i>Advanced Materials</i> , 2018, 30, e1803217.	21.0	129
11	Receptor and Microenvironment Dual-Recognizable Nanogel for Targeted Chemotherapy of Highly Metastatic Malignancy. <i>Nano Letters</i> , 2017, 17, 4526-4533.	9.1	127
12	Cancer Cell Membrane-Coated Nanoparticles for Personalized Therapy in Patient-Derived Xenograft Models. <i>Advanced Functional Materials</i> , 2019, 29, 1905671.	14.9	125
13	Secreted Protein Acidic and Rich in Cysteine Mediated Biomimetic Delivery of Methotrexate by Albumin-Based Nanomedicines for Rheumatoid Arthritis Therapy. <i>ACS Nano</i> , 2019, 13, 5036-5048.	14.6	122
14	Tailoring Platinum(IV) Amphiphiles for Self-Targeting All-in-One Assemblies as Precise Multimodal Theranostic Nanomedicine. <i>ACS Nano</i> , 2018, 12, 7272-7281.	14.6	114
15	Co-delivery of daunomycin and oxaliplatin by biodegradable polymers for safer and more efficacious combination therapy. <i>Journal of Controlled Release</i> , 2012, 163, 304-314.	9.9	110
16	Breaking the Intracellular Redox Balance with Diselenium Nanoparticles for Maximizing Chemotherapy Efficacy on Patient-Derived Xenograft Models. <i>ACS Nano</i> , 2020, 14, 16984-16996.	14.6	105
17	Iodo-BODIPY: a visible-light-driven, highly efficient and photostable metal-free organic photocatalyst. <i>RSC Advances</i> , 2013, 3, 13417.	3.6	99
18	Nanoparticle-mediated convection-enhanced delivery of a DNA intercalator to gliomas circumvents temozolomide resistance. <i>Nature Biomedical Engineering</i> , 2021, 5, 1048-1058.	22.5	96

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19	Photoacoustic Reduction with NIR Light of Nucleus-Targeting Pt ^{IV} Nanoparticles for Combined Tumor-Targeted Chemotherapy and Photodynamic Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	93
20	Biodegradable Polymer with Effective Near-Infrared-II Absorption as a Photothermal Agent for Deep Tumor Therapy. <i>Advanced Materials</i> , 2022, 34, e2105976.	21.0	92
21	Biomedical polymers: synthesis, properties, and applications. <i>Science China Chemistry</i> , 2022, 65, 1010-1075.	8.2	85
22	A Near-Infrared-II Polymer with Tandem Fluorophores Demonstrates Superior Biodegradability for Simultaneous Drug Tracking and Treatment Efficacy Feedback. <i>ACS Nano</i> , 2021, 15, 5428-5438.	14.6	79
23	A Systematic Strategy of Combinational Blow for Overcoming Cascade Drug Resistance via NIR-Light-Triggered Hyperthermia. <i>Advanced Materials</i> , 2021, 33, e2100599.	21.0	78
24	The use of polymeric platinum(IV) prodrugs to deliver multinuclear platinum(II) drugs with reduced systemic toxicity and enhanced antitumor efficacy. <i>Biomaterials</i> , 2012, 33, 8657-8669.	11.4	77
25	Maximizing Synergistic Activity When Combining RNAi and Platinum-Based Anticancer Agents. <i>Journal of the American Chemical Society</i> , 2017, 139, 3033-3044.	13.7	74
26	A dual-targeting hybrid platinum(IV) prodrug for enhancing efficacy. <i>Chemical Communications</i> , 2012, 48, 10730.	4.1	70
27	A Targeted and Stable Polymeric Nanoformulation Enhances Systemic Delivery of mRNA to Tumors. <i>Molecular Therapy</i> , 2017, 25, 92-101.	8.2	70
28	Near-Infrared Light Irradiation Induced Mild Hyperthermia Enhances Glutathione Depletion and DNA Interstrand Cross-Link Formation for Efficient Chemotherapy. <i>ACS Nano</i> , 2020, 14, 14831-14845.	14.6	67
29	Self-Sacrificially Degradable Pseudo-Semiconducting Polymer Nanoparticles that Integrate NIR-II Fluorescence Bioimaging, Photodynamic Immunotherapy, and Photo-Activated Chemotherapy. <i>Advanced Materials</i> , 2022, 34, .	21.0	65
30	Fluorinated Acid-Labile Branched Hydroxyl-Rich Nanosystems for Flexible and Robust Delivery of Plasmids. <i>Small</i> , 2018, 14, e1803061.	10.0	61
31	Core Role of Hydrophobic Core of Polymeric Nanomicelle in Endosomal Escape of siRNA. <i>Nano Letters</i> , 2021, 21, 3680-3689.	9.1	58
32	Identification of SARS-CoV-2-against aptamer with high neutralization activity by blocking the RBD domain of spike protein 1. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 227.	17.1	56
33	Biosafety materials: an emerging new research direction of materials science from the COVID-19 outbreak. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1930-1953.	5.9	55
34	Evaluation of Polymer Nanoformulations in Hepatoma Therapy by Established Rodent Models. <i>Theranostics</i> , 2019, 9, 1426-1452.	10.0	53
35	Exploiting the acquired vulnerability of cisplatin-resistant tumors with a hypoxia-amplifying DNA repair-inhibiting (HYDRI) nanomedicine. <i>Science Advances</i> , 2021, 7, .	10.3	50
36	Efficient hepatic delivery and protein expression enabled by optimized mRNA and ionizable lipid nanoparticle. <i>Bioactive Materials</i> , 2020, 5, 1053-1061.	15.6	49

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37	Degradable Pseudo Conjugated Polymer Nanoparticles with NIR-Induced Photothermal Effect and Cationic Quaternary Phosphonium Structural Bacteriostasis for Anti-Infection Therapy. <i>Advanced Science</i> , 2022, 9, e2200732.	11.2	46
38	Nanoparticle-based drug delivery systems with platinum drugs for overcoming cancer drug resistance. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5173-5194.	5.8	42
39	Bactericidal and antifouling electrospun PVA nanofibers modified with a quaternary ammonium salt and zwitterionic sulfopropylbetaine. <i>Materials Science and Engineering C</i> , 2020, 111, 110855.	7.3	36
40	A complex of cyclohexane-1,2-diaminoplatinum with an amphiphilic biodegradable polymer with pendant carboxyl groups. <i>Acta Biomaterialia</i> , 2012, 8, 1859-1868.	8.3	34
41	Nanoparticle delivery of photosensitive Pt(IV) drugs for circumventing cisplatin cellular pathway and on-demand drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 734-741.	5.0	32
42	Advanced biosafety materials for prevention and theranostics of biosafety issues. <i>Biosafety and Health</i> , 2022, 4, 59-60.	2.7	31
43	Restoration of the Immunogenicity of Tumor Cells for Enhanced Cancer Therapy via Nanoparticle-Mediated Copper Chaperone Inhibition. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	30
44	A negatively charged Pt(IV) prodrug for electrostatic complexation with polymers to overcome cisplatin resistance. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3346-3350.	5.8	27
45	Enhancing the chemotherapeutic efficacy of platinum prodrug nanoparticles and inhibiting cancer metastasis by targeting iron homeostasis. <i>Nanoscale Horizons</i> , 2020, 5, 999-1015.	8.0	25
46	A Nanobody-Conjugated DNA Nanoplatfor for Targeted Platinum Drug Delivery. <i>Angewandte Chemie</i> , 2019, 131, 14362-14366.	2.0	21
47	Application of microwave-assisted click chemistry in the preparation of functionalized copolymers for drug conjugation. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3365-3373.	2.6	20
48	A spermine-conjugated lipophilic Pt(IV) prodrug designed to eliminate cancer stem cells in ovarian cancer. <i>Chemical Communications</i> , 2019, 55, 6106-6109.	4.1	20
49	Guanidinated amphiphilic cationic copolymer with enhanced gene delivery efficiency. <i>Journal of Materials Chemistry</i> , 2012, 22, 18915.	6.7	19
50	Biodegradable polymer-platinum drug conjugates to overcome platinum drug resistance. <i>RSC Advances</i> , 2015, 5, 83343-83349.	3.6	18
51	Biosafety chemistry and biosafety materials: A new perspective to solve biosafety problems. <i>Biosafety and Health</i> , 2022, 4, 15-22.	2.7	18
52	Nanoparticle mediated delivery of a GST inhibitor ethacrynic acid for sensitizing platinum based chemotherapy. <i>RSC Advances</i> , 2014, 4, 61124-61132.	3.6	17
53	Clustered nanobody drug conjugates for targeted cancer therapy. <i>Chemical Communications</i> , 2020, 56, 9344-9347.	4.1	17
54	Delivery of Active DACH-Pt Anticancer Species by Biodegradable Amphiphilic Polymers Using Thiol Radical Addition. <i>Macromolecular Bioscience</i> , 2012, 12, 367-373.	4.1	16

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55	Co-delivery of all-trans-retinoic-acid and cisplatin(iv) prodrug based on polymer-drug conjugates for enhanced efficacy and safety. <i>Journal of Materials Chemistry</i> , 2012, 22, 25453.	6.7	15
56	Metabolizable pH/H ₂ O ₂ dual-responsive conductive polymer nanoparticles for safe and precise chemo-photothermal therapy. <i>Biomaterials</i> , 2021, 277, 121115.	11.4	15
57	Enhanced Chemodynamic Therapy and Chemotherapy via Delivery of a Dual Threat ArtePt and IodoClick Reaction Mediated Glutathione Consumption. <i>Small Methods</i> , 2021, 5, e2101047.	8.6	15
58	pH/redox sensitive nanoparticles with platinum(iv) prodrugs and doxorubicin enhance chemotherapy in ovarian cancer. <i>RSC Advances</i> , 2019, 9, 20513-20517.	3.6	14
59	Targeting Cancer Metabolism Plasticity with JX06 Nanoparticles via Inhibiting PDK1 Combined with Metformin for Endometrial Cancer Patients with Diabetes. <i>Advanced Science</i> , 2022, 9, e2104472.	11.2	14
60	Zinc-based catalyst for the ring-opening polymerization of cyclic esters. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2378-2385.	2.6	10
61	Biosafety materials: Ushering in a new era of infectious disease diagnosis and treatment with the CRISPR/Cas system. <i>Biosafety and Health</i> , 2022, 4, 70-78.	2.7	10
62	Design of zwitterionic polyester based nano-carriers for platinum(iv) prodrug delivery. <i>Polymer Chemistry</i> , 2019, 10, 5353-5363.	3.9	9
63	Photothermal Therapy via NIR II Light Irradiation Enhances DNA Damage and Endoplasmic Reticulum Stress for Efficient Chemotherapy. <i>Frontiers in Pharmacology</i> , 2021, 12, 670207.	3.5	9
64	Polymeric Nanostructure Compiled with Multifunctional Components To Exert Tumor-Targeted Delivery of Antiangiogenic Gene for Tumor Growth Suppression. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24404-24414.	8.0	7
65	UCNP@BSA@Ru nanoparticles with tumor-specific and NIR-triggered efficient PACT activity <i>in vivo</i> . <i>Dalton Transactions</i> , 2021, 50, 7715-7724.	3.3	7
66	Photo-Reduktion mit NIR-Licht von Zellkern akkumulierenden Pt ^{IV} -Nanopartikeln für eine kombinierte Tumor ausgerichtete Chemotherapie und Photodynamische Immuntherapie. <i>Angewandte Chemie</i> , 0, , .	2.0	4
67	New polymer-platinum (II) antitumor conjugates. <i>Journal of Controlled Release</i> , 2011, 152, e103-e104.	9.9	3
68	Photosensitizer with High Efficiency Generated in Cells via Light-Induced Self-Oligomerization of 4,6-Dibromothiopheno[3,4-b]thiophene Compound Entailing a Triphenyl Phosphonium Group. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100896.	7.6	3
69	Genome-wide analysis identify novel germline genetic variations in ADCY1 influencing platinum-based chemotherapy response in non-small cell lung cancer. <i>Acta Pharmaceutica Sinica B</i> , 2021, 12, 1514-1522.	12.0	2
70	Restoration of the Immunogenicity of Tumor Cells for Enhanced Cancer Therapy via Nanoparticle-Mediated Copper Chaperone Inhibition. <i>Angewandte Chemie</i> , 0, , .	2.0	2
71	The stepwise organization of nanoparticles into a Pickering emulsion. <i>Soft Matter</i> , 2021, 17, 1796-1801.	2.7	1