

# Dan Shao

## List of Publications by Year in descending order

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Version: 2024-02-01

98  
papers

4,894  
citations

76326

40  
h-index

110387

64  
g-index

101  
all docs

101  
docs citations

101  
times ranked

5793  
citing authors

#	ARTICLE	IF	CITATIONS
1	A DAMP-scavenging, IL-10-releasing hydrogel promotes neural regeneration and motor function recovery after spinal cord injury. <i>Biomaterials</i> , 2022, 280, 121279.	11.4	73
2	Red-light-triggered self-destructive mesoporous silica nanoparticles for cascade-amplifying chemo-photodynamic therapy favoring antitumor immune responses. <i>Biomaterials</i> , 2022, 281, 121368.	11.4	75
3	A light-driven dual-nanotransformer with deep tumor penetration for efficient chemo-immunotherapy. <i>Theranostics</i> , 2022, 12, 1756-1768.	10.0	27
4	A nanoparticulate dual scavenger for targeted therapy of inflammatory bowel disease. <i>Science Advances</i> , 2022, 8, eabj2372.	10.3	87
5	ROS-responsive fluorinated polyethyleneimine vector to co-deliver shMTHFD2 and shGPX4 plasmids induces ferroptosis and apoptosis for cancer therapy. <i>Acta Biomaterialia</i> , 2022, 140, 492-505.	8.3	37
6	Scalable biomimetic SARS-CoV-2 nanovaccines with robust protective immune responses. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 96.	17.1	9
7	An Injectable Antibiotic Hydrogel that Scavenges Proinflammatory Factors for the Treatment of Severe Abdominal Trauma. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	32
8	Design of therapeutic biomaterials to control inflammation. <i>Nature Reviews Materials</i> , 2022, 7, 557-574.	48.7	187
9	A Novel Iterative PA-MRNet: Multiple Noise Suppression and Weak Signals Recovery for Downhole DAS Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	8
10	Bioactive Injectable Hydrogel Dressings for Bacteria-Infected Diabetic Wound Healing: A "Pull" Push Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 26404-26417.	8.0	30
11	Scavenging Tumor-Derived Small Extracellular Vesicles by Functionalized 2D Materials to Inhibit Tumor Regrowth and Metastasis Following Radiotherapy. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	8
12	Flash technology-based self-assembly in nanoformulation: Fabrication to biomedical applications. <i>Materials Today</i> , 2021, 42, 99-116.	14.2	35
13	Near-infrared light-responsive hybrid hydrogels for the synergistic chemo-photothermal therapy of oral cancer. <i>Nanoscale</i> , 2021, 13, 17168-17182.	5.6	23
14	A Cationic Metal-Organic Framework to Scavenge Cell-Free DNA for Severe Sepsis Management. <i>Nano Letters</i> , 2021, 21, 2461-2469.	9.1	39
15	Berberine inhibits chemotherapy-exacerbated ovarian cancer stem cell-like characteristics and metastasis through GLI1. <i>European Journal of Pharmacology</i> , 2021, 895, 173887.	3.5	9
16	Biomimetic co-assembled nanodrug of doxorubicin and berberine suppresses chemotherapy-exacerbated breast cancer metastasis. <i>Biomaterials</i> , 2021, 271, 120716.	11.4	49
17	A Versatile and Robust Platform for the Scalable Manufacture of Biomimetic Nanovaccines. <i>Advanced Science</i> , 2021, 8, 2002020.	11.2	43
18	Coordination and Redox Dual-Responsive Mesoporous Organosilica Nanoparticles Amplify Immunogenic Cell Death for Cancer Chemoimmunotherapy. <i>Small</i> , 2021, 17, e2100006.	10.0	40

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19	Nanosilver-Decorated Biodegradable Mesoporous Organosilica Nanoparticles for GSH-Responsive Gentamicin Release and Synergistic Treatment of Antibiotic-Resistant Bacteria. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 4631-4642.	6.7	14
20	Chemoimmunotherapy: Coordination and Redox Dual-Responsive Mesoporous Organosilica Nanoparticles Amplify Immunogenic Cell Death for Cancer Chemoimmunotherapy ( <i>Small</i> 26/2021). <i>Small</i> , 2021, 17, 2170130.	10.0	2
21	Photoresponsive metallopolymer nanoparticles for cancer theranostics. <i>Biomaterials</i> , 2021, 275, 120915.	11.4	28
22	Self-Assembly Engineering Nanodrugs Composed of Paclitaxel and Curcumin for the Combined Treatment of Triple Negative Breast Cancer. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 747637.	4.1	10
23	Janus metallic mesoporous silica nanoparticles: Unique structures for cancer theranostics. <i>Current Opinion in Biomedical Engineering</i> , 2021, 19, 100294.	3.4	8
24	Targeting multiple mediators of sepsis using multifunctional tannic acid-Zn <sup>2+</sup> -gentamicin nanoparticles. <i>Matter</i> , 2021, 4, 3677-3695.	10.0	19
25	Noble metal-molybdenum disulfide nanohybrids as dual fluorometric and colorimetric sensor for hepatitis B virus DNA detection. <i>Talanta</i> , 2021, 234, 122675.	5.5	20
26	Stem cell therapy and tissue engineering strategies using cell aggregates and decellularized scaffolds for the rescue of liver failure. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142098671.	5.5	29
27	Coating biomimetic nanoparticles with chimeric antigen receptor T cell-membrane provides high specificity for hepatocellular carcinoma photothermal therapy treatment. <i>Theranostics</i> , 2020, 10, 1281-1295.	10.0	138
28	One-pot synthesis of chlorhexidine-templated biodegradable mesoporous organosilica nanoantiseptics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110653.	5.0	9
29	Oral delivery of bacteria: Basic principles and biomedical applications. <i>Journal of Controlled Release</i> , 2020, 327, 801-833.	9.9	55
30	A Versatile Nonviral Delivery System for Multiplex Gene Editing in the Liver. <i>Advanced Materials</i> , 2020, 32, e2003537.	21.0	45
31	Cancer-leukocyte hybrid membrane-cloaked magnetic beads for the ultrasensitive isolation, purification, and non-destructive release of circulating tumor cells. <i>Nanoscale</i> , 2020, 12, 19121-19128.	5.6	30
32	Biomimetic Diselenide-Bridged Mesoporous Organosilica Nanoparticles as an X-Ray-Responsive Biodegradable Carrier for Chemoimmunotherapy. <i>Advanced Materials</i> , 2020, 32, e2004385.	21.0	122
33	Treatment of severe sepsis with nanoparticulate cell-free DNA scavengers. <i>Science Advances</i> , 2020, 6, eaay7148.	10.3	94
34	Chemotherapy exacerbates ovarian cancer cell migration and cancer stem cell-like characteristics through GLI1. <i>British Journal of Cancer</i> , 2020, 122, 1638-1648.	6.4	21
35	&lt;p>&lt;/p>Berberine Inhibits the Apoptosis-Induced Metastasis by Suppressing the iPLA2/LOX-5/LTB4 Pathway in Hepatocellular Carcinoma&lt;/p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 5223-5230.	2.0	9
36	Tannic Acid-Assisted Synthesis of Biodegradable and Antibacterial Mesoporous Organosilica Nanoparticles Decorated with Nanosilver. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1695-1702.	6.7	31

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37	Janus Nanobullets Combine Photodynamic Therapy and Magnetic Hyperthermia to Potentiate Synergetic Anti-Metastatic Immunotherapy. <i>Advanced Science</i> , 2019, 6, 1901690.	11.2	169
38	Janus Gold Triangle-Mesoporous Silica Nanoplatfoms for Hypoxia-Activated Radio-Chemo-Photothermal Therapy of Liver Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34755-34765.	8.0	68
39	Janus nanocarrier-based co-delivery of doxorubicin and berberine weakens chemotherapy-exacerbated hepatocellular carcinoma recurrence. <i>Acta Biomaterialia</i> , 2019, 100, 352-364.	8.3	44
40	Depression promotes hepatocellular carcinoma progression through a glucocorticoid-mediated upregulation of PD-1 expression in tumor-infiltrating NK cells. <i>Carcinogenesis</i> , 2019, , .	2.8	17
41	&lt;p&gt;Berberine-loaded Janus gold mesoporous silica nanocarriers for chemo/radio/photothermal therapy of liver cancer and radiation-induced injury inhibition&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3967-3982.	6.7	34
42	Engineering Cell Membrane-Based Nanotherapeutics to Target Inflammation. <i>Advanced Science</i> , 2019, 6, 1900605.	11.2	143
43	Green synthesis of carrier-free curcumin nanodrugs for light-activated breast cancer photodynamic therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 313-318.	5.0	49
44	Bioactive carbon dots direct the osteogenic differentiation of human bone marrow mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 1-8.	5.0	39
45	Engineered Mesenchymal Stem Cell/Nanomedicine Spheroid as an Active Drug Delivery Platform for Combinational Glioblastoma Therapy. <i>Nano Letters</i> , 2019, 19, 1701-1705.	9.1	71
46	Immunotherapy: Janus Nanobullets Combine Photodynamic Therapy and Magnetic Hyperthermia to Potentiate Synergetic Anti-Metastatic Immunotherapy (Adv. Sci. 22/2019). <i>Advanced Science</i> , 2019, 6, 1970136.	11.2	8
47	Noise reduction for desert seismic data using spectral kurtosis adaptive bandpass filter. <i>Acta Geophysica</i> , 2019, 67, 123-131.	2.0	18
48	Shape Engineering Boosts Magnetic Mesoporous Silica Nanoparticle-Based Isolation and Detection of Circulating Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10656-10663.	8.0	53
49	A comparison of mesoporous silica nanoparticles and mesoporous organosilica nanoparticles as drug vehicles for cancer therapy. <i>Chemical Biology and Drug Design</i> , 2018, 92, 1435-1444.	3.2	29
50	Fluorescent-magnetic Janus nanorods for selective capture and rapid identification of foodborne bacteria. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 1004-1011.	7.8	24
51	Berberine-based carbon dots for selective and safe cancer theranostics. <i>RSC Advances</i> , 2018, 8, 1168-1173.	3.6	29
52	Shape-controlled magnetic mesoporous silica nanoparticles for magnetically-mediated suicide gene therapy of hepatocellular carcinoma. <i>Biomaterials</i> , 2018, 154, 147-157.	11.4	127
53	Cancer cell membrane-modified biodegradable mesoporous silica nanocarriers for berberine therapy of liver cancer. <i>RSC Advances</i> , 2018, 8, 40288-40297.	3.6	38
54	Redox/pH dual-controlled release of chlorhexidine and silver ions from biodegradable mesoporous silica nanoparticles against oral biofilms. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7697-7709.	6.7	66

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55	Gram-scale production of carrier-free fluorescent berberine microrods for selective liver cancer therapy. <i>BioFactors</i> , 2018, 44, 496-502.	5.4	13
56	Antibacterial and biodegradable tissue nano-adhesives for rapid wound closure. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5849-5863.	6.7	43
57	Janus nanocarriers for magnetically targeted and hyperthermia-enhanced curcumin therapy of liver cancer. <i>RSC Advances</i> , 2018, 8, 30448-30454.	3.6	19
58	HPV Oncogene Manipulation Using Nonvirally Delivered CRISPR/Cas9 or <i>Natronobacterium gregoryi</i> Argonaute. <i>Advanced Science</i> , 2018, 5, 1700540.	11.2	78
59	Bioinspired Diselenide-Bridged Mesoporous Silica Nanoparticles for Dual-Responsive Protein Delivery. <i>Advanced Materials</i> , 2018, 30, e1801198.	21.0	234
60	Obesity-associated miR-27a upregulation promotes hepatocellular carcinoma metastasis through suppressing SFRP1. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 3281-3292.	2.0	10
61	Self-assembled dual fluorescence nanoparticles for CD44-targeted delivery of anti-miR-27a in liver cancer theranostics. <i>Theranostics</i> , 2018, 8, 3808-3823.	10.0	41
62	Magnetic Janus nanorods for efficient capture, separation and elimination of bacteria. <i>RSC Advances</i> , 2017, 7, 3550-3553.	3.6	20
63	Carbon dots for tracking and promoting the osteogenic differentiation of mesenchymal stem cells. <i>Biomaterials Science</i> , 2017, 5, 1820-1827.	5.4	97
64	Janus silver mesoporous silica nanobullets with synergistic antibacterial functions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 199-206.	5.0	43
65	Berberine inhibits the chemotherapy-induced repopulation by suppressing the arachidonic acid metabolic pathway and phosphorylation of FAK in ovarian cancer. <i>Cell Proliferation</i> , 2017, 50, .	5.3	48
66	Janus Silver/Silica Nanoplatforms for Light-Activated Liver Cancer Chemo/Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30306-30317.	8.0	80
67	Janus Gold Nanoplatform for Synergetic Chemoradiotherapy and Computed Tomography Imaging of Hepatocellular Carcinoma. <i>ACS Nano</i> , 2017, 11, 12732-12741.	14.6	136
68	The shape effect of magnetic mesoporous silica nanoparticles on endocytosis, biocompatibility and biodistribution. <i>Acta Biomaterialia</i> , 2017, 49, 531-540.	8.3	111
69	Berberine-loaded Janus nanocarriers for magnetic field-enhanced therapy against hepatocellular carcinoma. <i>Chemical Biology and Drug Design</i> , 2017, 89, 464-469.	3.2	46
70	Chemotherapy induces ovarian cancer cell repopulation through the caspase 3-mediated arachidonic acid metabolic pathway. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 5817-5826.	2.0	20
71	Berberine Reverses Hypoxia-induced Chemoresistance in Breast Cancer through the Inhibition of AMPK-HIF-1 $\alpha$ . <i>International Journal of Biological Sciences</i> , 2017, 13, 794-803.	6.4	81
72	Synergistic bactericidal activity of chlorhexidine-loaded, silver-decorated mesoporous silica nanoparticles. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3577-3589.	6.7	58

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73	Berberine Enhances Chemosensitivity and Induces Apoptosis Through Dose-orchestrated AMPK Signaling in Breast Cancer. <i>Journal of Cancer</i> , 2017, 8, 1679-1689.	2.5	98
74	Janus Au@mesoporous silica nanocarriers for chemo-photothermal treatment of liver cancer cells. <i>RSC Advances</i> , 2016, 6, 44498-44505.	3.6	29
75	Enhanced osteoblast adhesion on amino-functionalized titanium surfaces through combined plasma enhanced chemical vapor deposition (PECVD) method. <i>RSC Advances</i> , 2016, 6, 82688-82697.	3.6	19
76	Janus @nano-bullets@ for magnetic targeting liver cancer chemotherapy. <i>Biomaterials</i> , 2016, 100, 118-133.	11.4	137
77	Carbon dots as a trackable drug delivery carrier for localized cancer therapy in vivo. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5119-5126.	5.8	204
78	Janus Silver-Mesoporous Silica Nanocarriers for SERS Traceable and pH-Sensitive Drug Delivery in Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4303-4308.	8.0	106
79	Berberine induces apoptosis by suppressing the arachidonic acid metabolic pathway in hepatocellular carcinoma. <i>Molecular Medicine Reports</i> , 2015, 12, 4572-4577.	2.4	58
80	Adipose tissue-secreted miR-27a promotes liver cancer by targeting FOXO1 in obese individuals. <i>OncoTargets and Therapy</i> , 2015, 8, 735.	2.0	37
81	MiR-27a Promotes Hepatocellular Carcinoma Cell Proliferation Through Suppression of its Target Gene Peroxisome Proliferator-activated Receptor $\beta$ . <i>Chinese Medical Journal</i> , 2015, 128, 941-947.	2.3	47
82	Cytotoxicity of various types of gold-mesoporous silica nanoparticles in human breast cancer cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 6075.	6.7	28
83	Gold nanorods-silica Janus nanoparticles for theranostics. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	33
84	CTAB induced mitochondrial apoptosis by activating the AMPK-p53 pathway in hepatocarcinoma cells. <i>Toxicology Research</i> , 2015, 4, 1359-1365.	2.1	8
85	Noninvasive theranostic imaging of HSV-TK/GCV suicide gene therapy in liver cancer by folate-targeted quantum dot-based liposomes. <i>Biomaterials Science</i> , 2015, 3, 833-841.	5.4	55
86	Single and repeated dose toxicity of citric acid-based carbon dots and a derivative in mice. <i>RSC Advances</i> , 2015, 5, 91398-91406.	3.6	25
87	Facile Synthesis of Core-shell Magnetic Mesoporous Silica Nanoparticles for pH-sensitive Anticancer Drug Delivery. <i>Chemical Biology and Drug Design</i> , 2015, 86, 1548-1553.	3.2	34
88	Mucin1 mediates autocrine transforming growth factor beta signaling through activating the c-Jun N-terminal kinase/activator protein 1 pathway in human hepatocellular carcinoma cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 59, 116-125.	2.8	32
89	Usnic acid induces apoptosis via an ROS-dependent mitochondrial pathway in human breast cancer cells in vitro and in vivo. <i>RSC Advances</i> , 2015, 5, 153-162.	3.6	34
90	Mucin1 shifts Smad3 signaling from the tumor-suppressive pSmad3C/p21WAF1 pathway to the oncogenic pSmad3L/c-Myc pathway by activating JNK in human hepatocellular carcinoma cells. <i>Oncotarget</i> , 2015, 6, 4253-4265.	1.8	26

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91	Selective inhibition of liver cancer growth realized by the intrinsic toxicity of a quantum dot&ndash;lipid complex. International Journal of Nanomedicine, 2014, 9, 5753.	6.7	28
92	Real-Time Visualizing and Tracing of HSV-TK/GCV Suicide Gene Therapy by Near-Infrared Fluorescent Quantum Dots. ACS Applied Materials & Interfaces, 2014, 6, 11082-11090.	8.0	26
93	The nanotoxicity investigation of optical nanoparticles to cultured cells in vitro. Toxicology Reports, 2014, 1, 137-144.	3.3	30
94	The Insulin-Like Growth Factor-I Receptor Inhibitor Picropodophyllin-Induced Selective Apoptosis of Hepatocellular Carcinoma Cell Through a Caspase-Dependent Mitochondrial Pathway. Oncology Research, 2014, 21, 103-110.	1.5	13
95	Celecoxib induces apoptosis via a mitochondria-dependent pathway in the H22 mouse hepatoma cell line. Molecular Medicine Reports, 2014, 10, 2093-2098.	2.4	12
96	Monitoring HSV-TK/ganciclovir cancer suicide gene therapy using CdTe/CdS core/shell quantum dots. Biomaterials, 2012, 33, 4336-4344.	11.4	42
97	Inhibitory effect of celecoxib in lung carcinoma by regulation of cyclooxygenase-2/cytosolic phospholipase A2 and peroxisome proliferator-activated receptor gamma. Molecular and Cellular Biochemistry, 2011, 355, 233-240.	3.1	18
98	Recent advances in nanomaterials for prostate cancer detection and diagnosis. Journal of Materials Chemistry B, 0, , .	5.8	5