Dan Shao

List of Publications by Year
in descending order

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	Bioinspired Diselenideâ€Bridged Mesoporous Silica Nanoparticles for Dualâ€Responsive Protein Delivery. Advanced Materials, 2018, 30, e1801198.	21.0	234
2	Carbon dots as a trackable drug delivery carrier for localized cancer therapy in vivo. Journal of Materials Chemistry B, 2016, 4, 5119-5126.	5.8	204
3	Design of therapeutic biomaterials to control inflammation. Nature Reviews Materials, 2022, 7, 557-574.	48.7	187
4	Janus Nanobullets Combine Photodynamic Therapy and Magnetic Hyperthermia to Potentiate Synergetic Antiâ€Metastatic Immunotherapy. Advanced Science, 2019, 6, 1901690.	11.2	169
5	Engineering Cell Membraneâ€Based Nanotherapeutics to Target Inflammation. Advanced Science, 2019, 6, 1900605.	11.2	143
6	Coating biomimetic nanoparticles with chimeric antigen receptor T cell-membrane provides high specificity for hepatocellular carcinoma photothermal therapy treatment. Theranostics, 2020, 10, 1281-1295.	10.0	138
7	Janus â€œnano-bulletsâ€•for magnetic targeting liver cancer chemotherapy. Biomaterials, 2016, 100, 118-133.	11.4	137
8	Janus Gold Nanoplatform for Synergetic Chemoradiotherapy and Computed Tomography Imaging of Hepatocellular Carcinoma. ACS Nano, 2017, 11, 12732-12741.	14.6	136
9	Shape-controlled magnetic mesoporous silica nanoparticles for magnetically-mediated suicide gene therapy of hepatocellular carcinoma. Biomaterials, 2018, 154, 147-157.	11.4	127
10	Biomimetic Diselenideâ€Bridged Mesoporous Organosilica Nanoparticles as an Xâ€rayâ€Responsive Biodegradable Carrier for Chemoâ€Immunotherapy. Advanced Materials, 2020, 32, e2004385.	21.0	122
11	The shape effect of magnetic mesoporous silica nanoparticles on endocytosis, biocompatibility and biodistribution. Acta Biomaterialia, 2017, 49, 531-540.	8.3	111
12	Janus Silver-Mesoporous Silica Nanocarriers for SERS Traceable and pH-Sensitive Drug Delivery in Cancer Therapy. ACS Applied Materials & Interfaces, 2016, 8, 4303-4308.	8.0	106
13	Berberine Enhances Chemosensitivity and Induces Apoptosis Through Dose-orchestrated AMPK Signaling in Breast Cancer. Journal of Cancer, 2017, 8, 1679-1689.	2.5	98
14	Carbon dots for tracking and promoting the osteogenic differentiation of mesenchymal stem cells. Biomaterials Science, 2017, 5, 1820-1827.	5.4	97
15	Treatment of severe sepsis with nanoparticulate cell-free DNA scavengers. Science Advances, 2020, 6, eaay7148.	10.3	94
16	A nanoparticulate dual scavenger for targeted therapy of inflammatory bowel disease. Science Advances, 2022, 8, eabj2372.	10.3	87
17	Berberine Reverses Hypoxia-induced Chemoresistance in Breast Cancer through the Inhibition of AMPK- HIF-1Î±. International Journal of Biological Sciences, 2017, 13, 794-803.	6.4	81
18	Janus Silver/Silica Nanoplatforms for Light-Activated Liver Cancer Chemo/Photothermal Therapy. ACS Applied Materials & Interfaces, 2017, 9, 30306-30317.	8.0	80

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19	HPV Oncogene Manipulation Using Nonvirally Delivered CRISPR/Cas9 or Natronobacterium gregoryi Argonaute. Advanced Science, 2018, 5, 1700540.	11.2	78
20	Red-light-triggered self-destructive mesoporous silica nanoparticles for cascade-amplifying chemo-photodynamic therapy favoring antitumor immune responses. Biomaterials, 2022, 281, 121368.	11.4	75
21	A DAMP-scavenging, IL-10-releasing hydrogel promotes neural regeneration and motor function recovery after spinal cord injury. Biomaterials, 2022, 280, 121279.	11.4	73
22	Engineered Mesenchymal Stem Cell/Nanomedicine Spheroid as an Active Drug Delivery Platform for Combinational Glioblastoma Therapy. Nano Letters, 2019, 19, 1701-1705.	9.1	71
23	Janus Gold Triangle-Mesoporous Silica Nanoplatforms for Hypoxia-Activated Radio-Chemo-Photothermal Therapy of Liver Cancer. ACS Applied Materials & Interfaces, 2019, 11, 34755-34765.	8.0	68
24	Redox/pH dual-controlled release of chlorhexidine and silver ions from biodegradable mesoporous silica nanoparticles against oral biofilms. International Journal of Nanomedicine, 2018, Volume 13, 7697-7709.	6.7	66
25	Berberine induces apoptosis by suppressing the arachidonic acid metabolic pathway in hepatocellular carcinoma. Molecular Medicine Reports, 2015, 12, 4572-4577.	2.4	58
26	Synergistic bactericidal activity of chlorhexidine-loaded, silver-decorated mesoporous silica nanoparticles. International Journal of Nanomedicine, 2017, Volume 12, 3577-3589.	6.7	58
27	Noninvasive theranostic imaging of HSV-TK/GCV suicide gene therapy in liver cancer by folate-targeted quantum dot-based liposomes. Biomaterials Science, 2015, 3, 833-841.	5.4	55
28	Oral delivery of bacteria: Basic principles and biomedical applications. Journal of Controlled Release, 2020, 327, 801-833.	9.9	55
29	Shape Engineering Boosts Magnetic Mesoporous Silica Nanoparticle-Based Isolation and Detection of Circulating Tumor Cells. ACS Applied Materials & Interfaces, 2018, 10, 10656-10663.	8.0	53
30	Green synthesis of carrier-free curcumin nanodrugs for light-activated breast cancer photodynamic therapy. Colloids and Surfaces B: Biointerfaces, 2019, 180, 313-318.	5.0	49
31	Biomimetic co-assembled nanodrug of doxorubicin and berberine suppresses chemotherapy-exacerbated breast cancer metastasis. Biomaterials, 2021, 271, 120716.	11.4	49
32	Berberine inhibits the chemotherapyâ€induced repopulation by suppressing the arachidonic acid metabolic pathway and phosphorylation of <scp>FAK</scp> in ovarian cancer. Cell Proliferation, 2017, 50, .	5.3	48
33	MiR-27a Promotes Hepatocellular Carcinoma Cell Proliferation Through Suppression of its Target Gene Peroxisome Proliferator-activated Receptor Î³. Chinese Medical Journal, 2015, 128, 941-947.	2.3	47
34	Berberineâ€loaded Janus nanocarriers for magnetic fieldâ€enhanced therapy against hepatocellular carcinoma. Chemical Biology and Drug Design, 2017, 89, 464-469.	3.2	46
35	A Versatile Nonviral Delivery System for Multiplex Geneâ€Editing in the Liver. Advanced Materials, 2020, 32, e2003537.	21.0	45
36	Janus nanocarrier-based co-delivery of doxorubicin and berberine weakens chemotherapy-exacerbated hepatocellular carcinoma recurrence. Acta Biomaterialia, 2019, 100, 352-364.	8.3	44

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37	Janus silver mesoporous silica nanobullets with synergistic antibacterial functions. Colloids and Surfaces B: Biointerfaces, 2017, 157, 199-206.	5.0	43
38	Antibacterial and biodegradable tissue nano-adhesives for rapid wound closure. International Journal of Nanomedicine, 2018, Volume 13, 5849-5863.	6.7	43
39	A Versatile and Robust Platform for the Scalable Manufacture of Biomimetic Nanovaccines. Advanced Science, 2021, 8, 2002020.	11.2	43
40	Monitoring HSV-TK/ganciclovir cancer suicide gene therapy using CdTe/CdS core/shell quantum dots. Biomaterials, 2012, 33, 4336-4344.	11.4	42
41	Self-assembled dual fluorescence nanoparticles for CD44-targeted delivery of anti-miR-27a in liver cancer theranostics. Theranostics, 2018, 8, 3808-3823.	10.0	41
42	Coordination and Redox Dualâ€Responsive Mesoporous Organosilica Nanoparticles Amplify Immunogenic Cell Death for Cancer Chemoimmunotherapy. Small, 2021, 17, e2100006.	10.0	40
43	Bioactive carbon dots direct the osteogenic differentiation of human bone marrow mesenchymal stem cells. Colloids and Surfaces B: Biointerfaces, 2019, 179, 1-8.	5.0	39
44	A Cationic Metalâ€“Organic Framework to Scavenge Cell-Free DNA for Severe Sepsis Management. Nano Letters, 2021, 21, 2461-2469.	9.1	39
45	Cancer cell membrane-modified biodegradable mesoporous silica nanocarriers for berberine therapy of liver cancer. RSC Advances, 2018, 8, 40288-40297.	3.6	38
46	Adipose tissue-secreted miR-27a promotes liver cancer by targeting FOXO1 in obese individuals. OncoTargets and Therapy, 2015, 8, 735.	2.0	37
47	ROS-responsive fluorinated polyethyleneimine vector to co-deliver shMTHFD2 and shGPX4 plasmids induces ferroptosis and apoptosis for cancer therapy. Acta Biomaterialia, 2022, 140, 492-505.	8.3	37
48	Flash technology-based self-assembly in nanoformulation: Fabrication to biomedical applications. Materials Today, 2021, 42, 99-116.	14.2	35
49	Facile Synthesis of Coreâ€“shell Magnetic Mesoporous Silica Nanoparticles for <scp>pH</scp>â€sensitive Anticancer Drug Delivery. Chemical Biology and Drug Design, 2015, 86, 1548-1553.	3.2	34
50	Usnic acid induces apoptosis via an ROS-dependent mitochondrial pathway in human breast cancer cells in vitro and in vivo. RSC Advances, 2015, 5, 153-162.	3.6	34
51	Berberine-loaded Janus gold mesoporous silica nanocarriers for chemo/radio/photothermal therapy of liver cancer and radiation-induced injury inhibition . International Journal of Nanomedicine, 2019, Volume 14, 3967-3982.	6.7	34
52	Gold nanorods-silica Janus nanoparticles for theranostics. Applied Physics Letters, 2015, 106, .	3.3	33
53	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. International Journal of Biochemistry and Cell Biology, 2015, 59, 116-125.	2.8	32
54	An Injectable Antibiotic Hydrogel that Scavenges Proinflammatory Factors for the Treatment of Severe Abdominal Trauma. Advanced Functional Materials, 2022, 32, .	14.9	32

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55	Tannic Acid-Assisted Synthesis of Biodegradable and Antibacterial Mesoporous Organosilica Nanoparticles Decorated with Nanosilver. ACS Sustainable Chemistry and Engineering, 2020, 8, 1695-1702.	6.7	31
56	The nanotoxicity investigation of optical nanoparticles to cultured cells in vitro. Toxicology Reports, 2014, 1, 137-144.	3.3	30
57	Cancerâ€“leukocyte hybrid membrane-cloaked magnetic beads for the ultrasensitive isolation, purification, and non-destructive release of circulating tumor cells. Nanoscale, 2020, 12, 19121-19128.	5.6	30
58	Bioactive Injectable Hydrogel Dressings for Bacteria-Infected Diabetic Wound Healing: A â€œPullâ€“Pushâ€• Approach. ACS Applied Materials & Interfaces, 2022, 14, 26404-26417.	8.0	30
59	Janus Auâ€“mesoporous silica nanocarriers for chemo-photothermal treatment of liver cancer cells. RSC Advances, 2016, 6, 44498-44505.	3.6	29
60	A comparison of mesoporous silica nanoparticles and mesoporous organosilica nanoparticles as drug vehicles for cancer therapy. Chemical Biology and Drug Design, 2018, 92, 1435-1444.	3.2	29
61	Berberine-based carbon dots for selective and safe cancer theranostics. RSC Advances, 2018, 8, 1168-1173.	3.6	29
62	Stem cell therapy and tissue engineering strategies using cell aggregates and decellularized scaffolds for the rescue of liver failure. Journal of Tissue Engineering, 2021, 12, 204173142098671.	5.5	29
63	Selective inhibition of liver cancer growth realized by the intrinsic toxicity of a quantum dot–lipid complex. International Journal of Nanomedicine, 2014, 9, 5753.	6.7	28
64	Cytotoxicity of various types of gold-mesoporous silica nanoparticles in human breast cancer cells. International Journal of Nanomedicine, 2015, 10, 6075.	6.7	28
65	Photoresponsive metallopolymer nanoparticles for cancer theranostics. Biomaterials, 2021, 275, 120915.	11.4	28
66	A light-driven dual-nanotransformer with deep tumor penetration for efficient chemo-immunotherapy. Theranostics, 2022, 12, 1756-1768.	10.0	27
67	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
68	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. Oncotarget, 2015, 6, 4253-4265.	1.8	26
69	Single and repeated dose toxicity of citric acid-based carbon dots and a derivative in mice. RSC Advances, 2015, 5, 91398-91406.	3.6	25
70	Fluorescent-magnetic Janus nanorods for selective capture and rapid identification of foodborne bacteria. Sensors and Actuators B: Chemical, 2018, 260, 1004-1011.	7.8	24
71	Near-infrared light-responsive hybrid hydrogels for the synergistic chemo-photothermal therapy of oral cancer. Nanoscale, 2021, 13, 17168-17182.	5.6	23
72	Chemotherapy exacerbates ovarian cancer cell migration and cancer stem cell-like characteristics through GLI1. British Journal of Cancer, 2020, 122, 1638-1648.	6.4	21

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73	Magnetic Janus nanorods for efficient capture, separation and elimination of bacteria. RSC Advances, 2017, 7, 3550-3553.	3.6	20
74	Chemotherapy induces ovarian cancer cell repopulation through the caspase 3-mediated arachidonic acid metabolic pathway. OncoTargets and Therapy, 2017, Volume 10, 5817-5826.	2.0	20
75	Noble metal-molybdenum disulfide nanohybrids as dual fluorometric and colorimetric sensor for hepatitis B virus DNA detection. Talanta, 2021, 234, 122675.	5.5	20
76	Enhanced osteoblast adhesion on amino-functionalized titanium surfaces through combined plasma enhanced chemical vapor deposition (PECVD) method. RSC Advances, 2016, 6, 82688-82697.	3.6	19
77	Janus nanocarriers for magnetically targeted and hyperthermia-enhanced curcumin therapy of liver cancer. RSC Advances, 2018, 8, 30448-30454.	3.6	19
78	Targeting multiple mediators of sepsis using multifunctional tannic acid-Zn2+-gentamicin nanoparticles. Matter, 2021, 4, 3677-3695.	10.0	19
79	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
80	Noise reduction for desert seismic data using spectral kurtosis adaptive bandpass filter. Acta Geophysica, 2019, 67, 123-131.	2.0	18
81	Depression promotes hepatocellular carcinoma progression through a glucocorticoid-mediated upregulation of PD-1 expression in tumor-infiltrating NK cells. Carcinogenesis, 2019, , .	2.8	17
82	Nanosilver-Decorated Biodegradable Mesoporous Organosilica Nanoparticles for GSH-Responsive Gentamicin Release and Synergistic Treatment of Antibiotic-Resistant Bacteria. International Journal of Nanomedicine, 2021, Volume 16, 4631-4642.	6.7	14
83	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
84	Gramâ€scale production of carrierâ€free fluorescent berberine microrods for selective liver cancer therapy. BioFactors, 2018, 44, 496-502.	5.4	13
85	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
86	Obesity-associated miR-27a upregulation promotes hepatocellular carcinoma metastasis through suppressing SFRP1. OncoTargets and Therapy, 2018, Volume 11, 3281-3292.	2.0	10
87	Self-Assembly Engineering Nanodrugs Composed of Paclitaxel and Curcumin for the Combined Treatment of Triple Negative Breast Cancer. Frontiers in Bioengineering and Biotechnology, 2021, 9, 747637.	4.1	10
88	One-pot synthesis of chlorhexidine-templated biodegradable mesoporous organosilica nanoantiseptics. Colloids and Surfaces B: Biointerfaces, 2020, 187, 110653.	5.0	9
89	Berberine Inhibits the Apoptosis-Induced Metastasis by Suppressing the iPLA2/LOX-5/LTB4 Pathway in Hepatocellular Carcinoma . OncoTargets and Therapy, 2020, Volume 13, 5223-5230.	2.0	9
90	Berberine inhibits chemotherapy-exacerbated ovarian cancer stem cell-like characteristics and metastasis through GLI1. European Journal of Pharmacology, 2021, 895, 173887.	3.5	9

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91	Scalable biomimetic SARS-CoVâ€‘2 nanovaccines with robust protective immune responses. Signal Transduction and Targeted Therapy, 2022, 7, 96.	17.1	9
92	CTAB induced mitochondrial apoptosis by activating the AMPKâ€“p53 pathway in hepatocarcinoma cells. Toxicology Research, 2015, 4, 1359-1365.	2.1	8
93	Immunotherapy: Janus Nanobullets Combine Photodynamic Therapy and Magnetic Hyperthermia to Potentiate Synergetic Antiâ€Metastatic Immunotherapy (Adv. Sci. 22/2019). Advanced Science, 2019, 6, 1970136.	11.2	8
94	Janus metallic mesoporous silica nanoparticles: Unique structures for cancer theranostics. Current Opinion in Biomedical Engineering, 2021, 19, 100294.	3.4	8
95	A Novel Iterative PA-MRNet: Multiple Noise Suppression and Weak Signals Recovery for Downhole DAS Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	8
96	Scavenging Tumorâ€Derived Small Extracellular Vesicles by Functionalized 2D Materials to Inhibit Tumor Regrowth and Metastasis Following Radiotherapy. Advanced Functional Materials, 2022, 32, .	14.9	8
97	Recent advances in nanomaterials for prostate cancer detection and diagnosis. Journal of Materials Chemistry B, 0, , .	5.8	5
98	Chemoimmunotherapy: Coordination and Redox Dualâ€Responsive Mesoporous Organosilica Nanoparticles Amplify Immunogenic Cell Death for Cancer Chemoimmunotherapy (Small 26/2021). Small, 2021, 17, 2170130.	10.0	2