Biomimetic Diselenideâ€Bridged Mesoporous Organosi Xâ€rayâ€Responsive Biodegradable Carrier for Chemoa

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Citation Report

#	Article	IF	CITATIONS
1	Near-infrared light-responsive hybrid hydrogels for the synergistic chemo-photothermal therapy of oral cancer. Nanoscale, 2021, 13, 17168-17182.	5.6	23
2	Development of mesoporous silica-based nanoprobes for optical bioimaging applications. Biomaterials Science, 2021, 9, 3603-3620.	5.4	23
3	Cancer cell membrane-coated nanogels as a redox/pH dual-responsive drug carrier for tumor-targeted therapy. Journal of Materials Chemistry B, 2021, 9, 8031-8037.	5.8	17
4	Recent progress in nanomedicine for enhanced cancer chemotherapy. Theranostics, 2021, 11, 6370-6392.	10.0	177
5	Regulating the immunosuppressive tumor microenvironment to enhance breast cancer immunotherapy using pH-responsive hybrid membrane-coated nanoparticles. Journal of Nanobiotechnology, 2021, 19, 58.	9.1	67
6	Primary Macrophage-Based Microrobots: An Effective Tumor Therapy <i>In Vivo</i> by Dual-Targeting Function and Near-Infrared-Triggered Drug Release. ACS Nano, 2021, 15, 8492-8506.	14.6	44
7	Supramolecular Tadalafil Nanovaccine for Cancer Immunotherapy by Alleviating Myeloidâ€Derived Suppressor Cells and Heightening Immunogenicity. Small Methods, 2021, 5, e2100115.	8.6	44
8	Advances in Functional Metalâ€Organic Frameworks Based Onâ€Demand Drug Delivery Systems for Tumor Therapeutics. Advanced NanoBiomed Research, 2021, 1, 2100014.	3.6	24
9	A Versatile and Robust Platform for the Scalable Manufacture of Biomimetic Nanovaccines. Advanced Science, 2021, 8, 2002020.	11.2	43
10	Biomimetic black phosphorus quantum dots-based photothermal therapy combined with anti-PD-L1 treatment inhibits recurrence and metastasis in triple-negative breast cancer. Journal of Nanobiotechnology, 2021, 19, 181.	9.1	40
11	Coordination and Redox Dualâ€Responsive Mesoporous Organosilica Nanoparticles Amplify Immunogenic Cell Death for Cancer Chemoimmunotherapy. Small, 2021, 17, e2100006.	10.0	40
12	Optimized mesoporous silica nanoparticle-based drug delivery system with removable manganese oxide gatekeeper for controlled delivery of doxorubicin. Journal of Colloid and Interface Science, 2021, 592, 227-236.	9.4	44
13	Delivery of repurposed disulfiram by aminated mesoporous silica nanoparticles for anticancer therapy. Journal of Molecular Liquids, 2022, 346, 117065.	4.9	7
14	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
15	A review of existing strategies for designing long-acting parenteral formulations: Focus on underlying mechanisms, and future perspectives. Acta Pharmaceutica Sinica B, 2021, 11, 2396-2415.	12.0	55
16	Conjugated Coordination Porphyrin-based Nanozymes for Photo-/Sono-Augmented Biocatalytic and Homologous Tumor Treatments. ACS Applied Materials & Interfaces, 2021, 13, 41485-41497.	8.0	23
17	In vivo targeted delivery of nucleic acids and CRISPR genome editors enabled by GSH-responsive silica nanoparticles. Journal of Controlled Release, 2021, 336, 296-309.	9.9	42
18	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,	4.1	10

#	Article	IF	CITATIONS
20	Janus metallic mesoporous silica nanoparticles: Unique structures for cancer theranostics. Current Opinion in Biomedical Engineering, 2021, 19, 100294.	3.4	8
21	Sustained Antitumor Immunity Based on Persistent Luminescence Nanoparticles for Cancer Immunotherapy. Advanced Functional Materials, 2021, 31, 2106884.	14.9	21
22	Cell membrane coating integrity affects the internalization mechanism of biomimetic nanoparticles. Nature Communications, 2021, 12, 5726.	12.8	126
23	On the importance of physicochemical parameters of copper and aminosilane functionalized mesoporous silica for hydroxychloroquine release. Materials Science and Engineering C, 2021, 130, 112438.	7.3	11
24	ROS-responsive organosilica nanocarrier for the targeted delivery of metformin against cancer with the synergistic effect of hypoglycemia. Journal of Materials Chemistry B, 2021, 9, 6044-6055.	5.8	11
25	Ultra-thin metal–organic framework nanosheets for chemo-photodynamic synergistic therapy. Journal of Materials Chemistry B, 2021, 9, 4143-4153.	5.8	27
26	Immunogenic cell death inducers for enhanced cancer immunotherapy. Chemical Communications, 2021, 57, 12087-12097.	4.1	56
27	Biomimetic 2D layered double hydroxide nanocomposites for hyperthermia-facilitated homologous targeting cancer photo-chemotherapy. Journal of Nanobiotechnology, 2021, 19, 351.	9.1	12
28	Biocompatible Mesoporous Silica–Polydopamine Nanocomplexes as MR/Fluorescence Imaging Agent for Light-Activated Photothermal–Photodynamic Cancer Therapy In Vivo. Frontiers in Bioengineering and Biotechnology, 2021, 9, 752982.	4.1	12
29	Intelligent Pore Switch of Hollow Mesoporous Organosilica Nanoparticles for High Contrast Magnetic Resonance Imaging and Tumor-Specific Chemotherapy. Nano Letters, 2021, 21, 9551-9559.	9.1	31
30	Biodegradable and self-fluorescent ditelluride-bridged mesoporous organosilica/polyethylene glycol-curcumin nanocomposite for dual-responsive drug delivery and enhanced therapy efficiency. Materials Today Chemistry, 2022, 23, 100660.	3.5	8
31	A nanodrug system overexpressed circRNA_0001805 alleviates nonalcoholic fatty liver disease via miR-106a-5p/miR-320a and ABCA1/CPT1 axis. Journal of Nanobiotechnology, 2021, 19, 363.	9.1	20
32	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
33	Recent advanced development of metal-loaded mesoporous organosilicas as catalytic nanoreactors. Nanoscale Advances, 2021, 3, 6827-6868.	4.6	15
34	Choline phosphate lipid as an intra-crosslinker in liposomes for drug and antibody delivery under guard. Nanoscale, 2022, 14, 2277-2286.	5.6	12
35	A light-driven dual-nanotransformer with deep tumor penetration for efficient chemo-immunotherapy. Theranostics, 2022, 12, 1756-1768.	10.0	27
36	A nanoparticulate dual scavenger for targeted therapy of inflammatory bowel disease. Science Advances, 2022, 8, eabj2372.	10.3	87
37	Harnessing the Therapeutic Potential of Extracellular Vesicles for Biomedical Applications Using Multifunctional Magnetic Nanomaterials. Small, 2022, 18, e2104783.	10.0	31

#	Article	IF	CITATIONS
38	Selenopeptide Nanomedicine Activates Natural Killer Cells for Enhanced Tumor Chemoimmunotherapy. Advanced Materials, 2022, 34, e2108167.	21.0	32
39	Local Release of TGFâ€ <i>β</i> Inhibitor Modulates Tumorâ€Associated Neutrophils and Enhances Pancreatic Cancer Response to Combined Irreversible Electroporation and Immunotherapy. Advanced Science, 2022, 9, e2105240.	11.2	34
40	Biodegradable Materials with Disulfide-Bridged-Framework Confine Photosensitizers for Enhanced Photo-Immunotherapy. International Journal of Nanomedicine, 2021, Volume 16, 8323-8334.	6.7	5
41	Stimuliâ€Responsive Nanoparticles for Controlled Drug Delivery in Synergistic Cancer Immunotherapy. Advanced Science, 2022, 9, e2103444.	11.2	102
42	Scalable biomimetic SARS-CoV‑2 nanovaccines with robust protective immune responses. Signal Transduction and Targeted Therapy, 2022, 7, 96.	17.1	9
43	Biomimetic Redox-Responsive Mesoporous Organosilica Nanoparticles Enhance Cisplatin-Based Chemotherapy. Frontiers in Bioengineering and Biotechnology, 2022, 10, 860949.	4.1	4
44	MnMOF-based microwave-glutathione dual-responsive nano-missile for enhanced microwave Thermo-dynamic chemotherapy of drug-resistant tumors. Chemical Engineering Journal, 2022, 439, 135582.	12.7	24
45	RNA Drug Delivery Using Biogenic Nanovehicles for Cancer Therapy. Frontiers in Pharmacology, 2021, 12, 734443.	3.5	6
46	Design of therapeutic biomaterials to control inflammation. Nature Reviews Materials, 2022, 7, 557-574.	48.7	187
47	Drug-loaded oleic-acid grafted mesoporous silica nanoparticles conjugated with α-lactalbumin resembling BAMLET-like anticancer agent with improved biocompatibility and therapeutic efficacy. Materials Today Bio, 2022, 15, 100272.	5.5	9
48	Minimally invasive nanomedicine: nanotechnology in photo-/ultrasound-/radiation-/magnetism-mediated therapy and imaging. Chemical Society Reviews, 2022, 51, 4996-5041.	38.1	179
49	Recent deveolpment of multifunctional responsive gas-releasing nanoplatforms for tumor therapeutic application. Nano Research, 2023, 16, 3924-3938.	10.4	6
50	Targeted intelligent mesoporous polydopamine nanosystems for multimodal synergistic tumor treatment. Journal of Materials Chemistry B, 2022, 10, 5644-5654.	5.8	3
51	Biocompatible Supramolecular Mesoporous Silica Nanoparticles as the Next-Generation Drug Delivery System. Frontiers in Pharmacology, 0, 13, .	3.5	9
52	Recent Progress in Bio-Responsive Drug Delivery Systems for Tumor Therapy. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	9
53	Intracellular K+-Responsive Block Copolymer Micelles for Targeted Drug Delivery of Curcumin. Frontiers in Bioengineering and Biotechnology, 0, 10,	4.1	0
54	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
55	Recent trends of mesoporous silica-based nanoplatforms for nanodynamic therapies. Coordination Chemistry Reviews, 2022, 469, 214687.	18.8	89

#	Article	IF	CITATIONS
56	Recent advances in redox-responsive nanoparticles for combined cancer therapy. Nanoscale Advances, 2022, 4, 3504-3516.	4.6	22
57	Fabrication of Ginsenoside-Based Nanodrugs for Enhanced Antitumor Efficacy on Triple-Negative Breast Cancer. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	4
58	The recent progress of inorganicâ€based intelligent responsive nanoplatform for tumor theranostics. View, 2022, 3, .	5.3	29
59	Insights into stimuli-responsive diselenide bonds utilized in drug delivery systems for cancer therapy. Biomedicine and Pharmacotherapy, 2022, 155, 113707.	5.6	6
60	Cancer cell membrane-wrapped nanoparticles for cancer immunotherapy: A review of current developments. Frontiers in Immunology, 0, 13, .	4.8	6
61	Inflammatory Microenvironmentâ€Responsive Nanomaterials Promote Spinal Cord Injury Repair by Targeting IRF5. Advanced Healthcare Materials, 2022, 11, .	7.6	12
62	Enhancing the therapeutic efficacy of nanoparticles for cancer treatment using versatile targeted strategies. Journal of Hematology and Oncology, 2022, 15, .	17.0	93
63	Cellâ€Derived Vesicles for Nanoparticles' Coating: Biomimetic Approaches for Enhanced Blood Circulation and Cancer Therapy. Advanced Healthcare Materials, 2022, 11, .	7.6	4
64	Tuning Mesoporous Silica Nanoparticles in Novel Avenues of Cancer Therapy. Molecular Pharmaceutics, 2022, 19, 4428-4452.	4.6	13
65	Activating Nanomedicines with Electromagnetic Energy for Deepâ€Tissue Induction of Immunogenic Cell Death in Cancer Immunotherapy. Small Methods, 2023, 7, .	8.6	11
66	Targeting drugs to tumours using cell membrane-coated nanoparticles. Nature Reviews Clinical Oncology, 2023, 20, 33-48.	27.6	176
67	Recent advances in mesoporous silica nanoparticle-based targeted drug-delivery systems for cancer therapy. Nanomedicine, 2022, 17, 1253-1279.	3.3	6
68	Mesoporous silicas in materials engineering: Nanodevices for bionanotechnologies. Materials Today Bio, 2022, 17, 100472.	5.5	13
69	Development of nanotechnology-mediated precision radiotherapy for anti-metastasis and radioprotection. Chemical Society Reviews, 2022, 51, 9759-9830.	38.1	17
70	Probioticâ€inspired Nanomedicine Restores Intestinal Homeostasis in Colitis by Regulating Redox Balance, Immune Responses, and the Gut Microbiome. Advanced Materials, 2023, 35, .	21.0	30
71	A multifunctional oxidative stress nanoamplifier with ROS amplification and GSH exhaustion for enhanced chemodynamic therapy. Frontiers in Pharmacology, 0, 13, .	3.5	2
72	A Strategy of Limitedâ€Space Controlled Aggregation for Generic Enhancement of Drug Loading Capability. Advanced Functional Materials, 2023, 33, .	14.9	13

#	Article	IF	Citations
74	Mesoporous Silica Nanoparticlesâ€Based Nanoplatforms: Basic Construction, Current State, and Emerging Applications in Anticancer Therapeutics. Advanced Healthcare Materials, 2023, 12, .	7.6	16
75	Nearâ€Infrared Light Triggered Intelligent Nanoplatform for Synergistic Chemoâ€Photodynamic Therapy of Tumor. Advanced Optical Materials, 2023, 11, .	7.3	6
76	Biomimetic Active Materials Guided Immunogenic Cell Death for Enhanced Cancer Immunotherapy. Small Methods, 2023, 7, .	8.6	9
77	Biomimetic Nanovaccines Potentiating Dendritic Cell Internalization via CXCR4â€Mediated Macropinocytosis. Advanced Healthcare Materials, 2023, 12, .	7.6	3
78	Hybrid Nanomaterials for Cancer Immunotherapy. Advanced Science, 2023, 10, .	11.2	20
79	Extracellular matrix modulating enzyme functionalized biomimetic Au nanoplatform-mediated enhanced tumor penetration and synergistic antitumor therapy for pancreatic cancer. Journal of Nanobiotechnology, 2022, 20, .	9.1	10
80	Diselenideâ€Based Dualâ€Responsive Prodrug as Pyroptosis Inducer Potentiates Cancer Immunotherapy. Advanced Healthcare Materials, 2023, 12, .	7.6	11
81	Multifunctional nanoparticle for cancer therapy. MedComm, 2023, 4, .	7.2	8
82	Sensitizing Tumors to Immune Checkpoint Blockage via STING Agonists Delivered by Tumor-Penetrating Neutrophil Cytopharmaceuticals. ACS Nano, 2023, 17, 1663-1680.	14.6	17
83	Nano Delivery of Chemotherapeutic ICD Inducers for Tumor Immunotherapy. Small Methods, 2023, 7, .	8.6	24
84	Chiral Se@CeO ₂ superparticles for ameliorating Parkinson's disease. Nanoscale, 2023, 15, 4367-4377.	5.6	4
85	Recent Advances in Mesoporous Silica Nanoparticle-Mediated Drug Delivery for Breast Cancer Treatment. Pharmaceutics, 2023, 15, 227.	4.5	9
86	Arsenic-Loaded Biomimetic Iron Oxide Nanoparticles for Enhanced Ferroptosis-Inducing Therapy of Hepatocellular Carcinoma. ACS Applied Materials & Interfaces, 2023, 15, 6260-6273.	8.0	10
87	Leveraging βâ€Adrenergic Receptor Signaling Blockade for Improved Cancer Immunotherapy Through Biomimetic Nanovaccine. Small, 2023, 19, .	10.0	9
88	Radiation-Triggered Selenium-Engineered Mesoporous Silica Nanocapsules for RNAi Therapy in Radiotherapy-Resistant Glioblastoma. ACS Nano, 2023, 17, 4062-4076.	14.6	11
90	Transition Metalâ€Based Therapies for Inflammatory Diseases. Advanced Materials, 2023, 35, .	21.0	3
91	Biodegradable organosilica-based targeted and redox-responsive delivery system of resveratrol for efficiently alleviating ulcerative colitis. Journal of Industrial and Engineering Chemistry, 2023, 123, 382-395.	5.8	1
92	A "2Â+Â2―strategy for tumor immune microenvironment remodeling based on complementary immune checkpoint blockade. Chemical Engineering Journal, 2023, 466, 142956.	12.7	1

#	Article	IF	CITATIONS
93	Intelligent delivery system targeting PD-1/PD-L1 pathway for cancer immunotherapy. Bioorganic Chemistry, 2023, 136, 106550.	4.1	10
94	Dual gatekeepers-modified mesoporous organic silica nanoparticles for synergistic photothermal-chemotherapy of breast cancer. Journal of Colloid and Interface Science, 2023, 646, 118-128.	9.4	2
95	Xâ€Rayâ€Induced Drug Release for Cancer Therapy. Angewandte Chemie, 2023, 135, .	2.0	0
96	Xâ€Rayâ€Induced Drug Release for Cancer Therapy. Angewandte Chemie - International Edition, 2023, 62, .	13.8	5
97	Mesoporous silica/organosilica nanoparticles for cancer immunotherapy. Exploration, 2023, 3, .	11.0	6
98	Engineered Biomimetic Copper Sulfide Nanozyme Mediates "Don't Eat Me―Signaling for Photothermal and Chemodynamic Precision Therapies of Breast Cancer. ACS Applied Materials & Interfaces, 2023, 15, 24071-24083.	8.0	5
99	(Nano)platforms in breast cancer therapy: Drug/gene delivery, advanced nanocarriers and immunotherapy. Medicinal Research Reviews, 2023, 43, 2115-2176.	10.5	22
100	Biomimetic Cell-Derived Nanoparticles: Emerging Platforms for Cancer Immunotherapy. Pharmaceutics, 2023, 15, 1821.	4.5	2
101	Thiol-disulfide Exchange Coordinates the Release of Nitric Oxide and Dexamethasone for Synergistic Regulation of Intestinal Microenvironment in Colitis. Research, 0, , .	5.7	2
102	Radiopaque and Xâ€rayâ€Responsive Nanomedicine for Preventive Therapy of Radiationâ€Induced Heart Disease. Small, 0, , .	10.0	0
103	Self-polymerized platinum (II)-Polydopamine nanomedicines for photo-chemotherapy of bladder Cancer favoring antitumor immune responses. Journal of Nanobiotechnology, 2023, 21, .	9.1	1
104	Advancement and Applications of Nanotherapy for Cancer Immune Microenvironment. Current Medical Science, 2023, 43, 631-646.	1.8	0
105	Nanotechnology-Assisted Immunogenic Cell Death for Effective Cancer Immunotherapy. Vaccines, 2023, 11, 1440.	4.4	0
106	Biomembrane nanostructures: Multifunctional platform to enhance tumor chemoimmunotherapy via effective drug delivery. Journal of Controlled Release, 2023, 361, 510-533.	9.9	4
107	Cancer Cell Membraneâ€Based Materials for Biomedical Applications. Small, 2024, 20, .	10.0	0
108	Enhancing Cancer Chemoâ€Immunotherapy: Innovative Approaches for Overcoming Immunosuppression by Functional Nanomaterials. Small Methods, 2024, 8, .	8.6	2
109	Development and evaluation of rosmarinic acid loaded novel fluorescent porous organosilica nanoparticles as potential drug delivery system for cancer treatment. Arabian Journal of Chemistry, 2024, 17, 105402.	4.9	0
110	Leveraging mesoporous silica nanomaterial for optimal immunotherapeutics against cancer. In Vitro Models, 2023, 2, 153-169.	2.0	0

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#	Article	IF	Citations
111	Multistage Self-Assembled Nanomaterials for Cancer Immunotherapy. Molecules, 2023, 28, 7750.	3.8	2
112	Tumor Microenvironment-Responsive Degradable Silica Nanoparticles: Design Principles and Precision Theranostic Applications. Nanoscale Horizons, 0, , .	8.0	0
113	Leveraging Radiationâ€triggered Metal Prodrug Activation Through Nanosurface Energy Transfer for Directed Radioâ€chemoâ€immunotherapy. Angewandte Chemie - International Edition, 2024, 63, .	13.8	0
114	Leveraging Radiationâ€ŧriggered Metal Prodrug Activation Through Nanosurface Energy Transfer for Directed Radio hemoâ€immunotherapy. Angewandte Chemie, 2024, 136, .	2.0	0
115	Silicon-containing nanomedicine and biomaterials: materials chemistry, multi-dimensional design, and biomedical application. Chemical Society Reviews, 2024, 53, 1167-1315.	38.1	1
116	Stimuli-responsive biodegradable silica nanoparticles: From native structure designs to biological applications. Advances in Colloid and Interface Science, 2024, 324, 103087.	14.7	0
117	Radioresponsive Delivery of Toll-like Receptor 7/8 Agonist for Tumor Radioimmunotherapy Enabled by Core-Cross-Linked Diselenide Nanoparticles. ACS Nano, 2024, 18, 2800-2814.	14.6	0
118	Novel Radiochromic Elastomer Dosimeter Based on the Self-Sensitizing Effect of Disulfide Bonds. ACS Applied Materials & Interfaces, 2024, 16, 6474-6484.	8.0	0
119	A Tripleâ€Responsive Polymeric Prodrug Nanoplatform with Extracellular ROS Consumption and Intracellular H ₂ O ₂ Selfâ€Generation for Imagingâ€Guided Tumor Chemoâ€Ferroptosisâ€Immunotherapy. Advanced Healthcare Materials, 0, , .	7.6	0
120	Fe ₃ O ₄ â€Incorporated Metalâ€Organic Framework for Chemo/Ferroptosis Synergistic Antiâ€Tumor via the Enhanced Chemodynamic Therapy. Advanced Healthcare Materials, 0, , .	7.6	0
121	Biodegradable Metal Complex-Gated Organosilica for Dually Enhanced Chemodynamic Therapy through GSH Depletions and NIR Light-Triggered Photothermal Effects. Molecules, 2024, 29, 1177.	3.8	0
122	Advances and applications of nanoparticles in cancer therapy. , 2024, 3, .		0

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