Tianfeng Chen

List of Publications by Year
in descending order

280 papers	14,074 citations	12303 69 h-index	33814 99 g-index
295 all docs	295 docs citations	295 times ranked	13871 citing authors

#	Article	IF	Citations
1	Selective cellular uptake and induction of apoptosis of cancer-targeted selenium nanoparticles. Biomaterials, 2013, 34, 7106-7116.	5.7	361
2	Selenium Nanoparticles as a Carrier of 5-Fluorouracil to Achieve Anticancer Synergism. ACS Nano, 2012, 6, 6578-6591.	7.3	287
3	Selenium nanoparticles fabricated in Undaria pinnatifida polysaccharide solutions induce mitochondria-mediated apoptosis in A375 human melanoma cells. Colloids and Surfaces B: Biointerfaces, 2008, 67, 26-31.	2.5	261
4	Ruthenium Polypyridyl Complexes That Induce Mitochondria-Mediated Apoptosis in Cancer Cells. Inorganic Chemistry, 2010, 49, 6366-6368.	1.9	227
5	Positive Surface Charge Enhances Selective Cellular Uptake and Anticancer Efficacy of Selenium Nanoparticles. Inorganic Chemistry, 2012, 51, 8956-8963.	1.9	226
6	The reversal of cisplatin-induced nephrotoxicity by selenium nanoparticles functionalized with 11-mercapto-1-undecanol by inhibition of ROS-mediated apoptosis. Biomaterials, 2011, 32, 9068-9076.	5.7	211
7	Selenocystine induces caspase-independent apoptosis in MCF-7 human breast carcinoma cells with involvement of p53 phosphorylation and reactive oxygen species generation. International Journal of Biochemistry and Cell Biology, 2009, 41, 666-676.	1.2	209
8	Highly bioactive zeolitic imidazolate framework-8â€“capped nanotherapeutics for efficient reversal of reperfusion-induced injury in ischemic stroke. Science Advances, 2020, 6, eaay9751.	4.7	201
9	In Vitro Antioxidant and Antiproliferative Activities of 5-Hydroxymethylfurfural. Journal of Agricultural and Food Chemistry, 2013, 61, 10604-10611.	2.4	192
10	Functionalized halloysite nanotube by chitosan grafting for drug delivery of curcumin to achieve enhanced anticancer efficacy. Journal of Materials Chemistry B, 2016, 4, 2253-2263.	2.9	184
11	Cancerâ€Targeted Monodisperse Mesoporous Silica Nanoparticles as Carrier of Ruthenium Polypyridyl Complexes to Enhance Theranostic Effects. Advanced Functional Materials, 2014, 24, 2754-2763.	7.8	165
12	Selenocystine induces reactive oxygen speciesâ€“mediated apoptosis in human cancer cells. Biomedicine and Pharmacotherapy, 2009, 63, 105-113.	2.5	153
13	Designing Coreâ€“Shell Gold and Selenium Nanocomposites for Cancer Radiochemotherapy. ACS Nano, 2017, 11, 4848-4858.	7.3	150
14	Designing Bioinspired 2D MoSe₂ Nanosheet for Efficient Photothermalâ€Triggered Cancer Immunotherapy with Reprogramming Tumorâ€Associated Macrophages. Advanced Functional Materials, 2019, 29, 1901240.	7.8	149
15	Surface decoration of selenium nanoparticles by mushroom polysaccharidesâ€“protein complexes to achieve enhanced cellular uptake and antiproliferative activity. Journal of Materials Chemistry, 2012, 22, 9602.	6.7	143
16	Rational design of cancer-targeted selenium nanoparticles to antagonize multidrug resistance in cancer cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 947-958.	1.7	142
17	Selenium nanoparticles decorated with Ulva lactuca polysaccharide potentially attenuate colitis by inhibiting NF-ÎºB mediated hyper inflammation. Journal of Nanobiotechnology, 2017, 15, 20.	4.2	141
18	In Vitro Antioxidant and Antiproliferative Activities of Selenium-Containing Phycocyanin from Selenium-EnrichedSpirulina platensis. Journal of Agricultural and Food Chemistry, 2008, 56, 4352-4358.	2.4	139

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19	Enhancement of cell permeabilization apoptosis-inducing activity of selenium nanoparticles by ATP surface decoration. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 74-84.	1.7	139
20	Gracilaria lemaneiformis Polysaccharide as Integrin-Targeting Surface Decorator of Selenium Nanoparticles to Achieve Enhanced Anticancer Efficacy. ACS Applied Materials & Interfaces, 2014, 6, 13738-13748.	4.0	133
21	Selenium nanoparticles inhibit the growth of HeLa and MDA-MB-231 cells through induction of S phase arrest. Colloids and Surfaces B: Biointerfaces, 2012, 94, 304-308.	2.5	132
22	Dual-function nanosystem for synergetic cancer chemo-/radiotherapy through ROS-mediated signaling pathways. Biomaterials, 2015, 51, 30-42.	5.7	129
23	Tailoring Particle Size of Mesoporous Silica Nanosystem To Antagonize Glioblastoma and Overcome Bloodâ€“Brain Barrier. ACS Applied Materials & Interfaces, 2016, 8, 6811-6825.	4.0	126
24	Surface decoration by Spirulina polysaccharide enhances the cellular uptake and anticancer efficacy of selenium nanoparticles. International Journal of Nanomedicine, 2012, 7, 835.	3.3	124
25	Inhibitory activity of selenium nanoparticles functionalized with oseltamivir on H1N1 influenza virus. International Journal of Nanomedicine, 2017, Volume 12, 5733-5743.	3.3	121
26	Induction of Apoptosis and Cell Cycle Arrest in A549 Human Lung Adenocarcinoma Cells by Surface-Capping Selenium Nanoparticles: An Effect Enhanced by Polysaccharideâ€“Protein Complexes from Polyporus rhinocerus. Journal of Agricultural and Food Chemistry, 2013, 61, 9859-9866.	2.4	113
27	Selenocystine Induces S-Phase Arrest and Apoptosis in Human Breast Adenocarcinoma MCF-7 Cells by Modulating ERK and Akt Phosphorylation. Journal of Agricultural and Food Chemistry, 2008, 56, 10574-10581.	2.4	109
28	RGD peptide-conjugated selenium nanoparticles: antiangiogenesis by suppressing VEGF-VEGFR2-ERK/AKT pathway. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1627-1639.	1.7	106
29	A multifunctional DNA origami as carrier of metal complexes to achieve enhanced tumoral delivery and nullified systemic toxicity. Biomaterials, 2016, 103, 183-196.	5.7	101
30	Sequentially Triggered Delivery System of Black Phosphorus Quantum Dots with Surface Charge-Switching Ability for Precise Tumor Radiosensitization. ACS Nano, 2018, 12, 12401-12415.	7.3	100
31	Functionalization and cancer-targeting design of ruthenium complexes for precise cancer therapy. Chemical Communications, 2019, 55, 9904-9914.	2.2	100
32	CT-assessed sarcopenia is a predictive factor for both long-term and short-term outcomes in gastrointestinal oncology patients: a systematic review and meta-analysis. Cancer Imaging, 2019, 19, 82.	1.2	100
33	Rational design and action mechanisms of chemically innovative organoselenium in cancer therapy. Chemical Communications, 2020, 56, 179-196.	2.2	100
34	Ruthenium complexes containing bis-benzimidazole derivatives as a new class of apoptosis inducers. Dalton Transactions, 2012, 41, 1138-1141.	1.6	95
35	Facile synthesis of highly uniform selenium nanoparticles using glucose as the reductant and surface decorator to induce cancer cell apoptosis. Journal of Materials Chemistry B, 2016, 4, 2351-2358.	2.9	95
36	Stable black phosphorus/Bi2O3 heterostructures for synergistic cancer radiotherapy. Biomaterials, 2018, 171, 12-22.	5.7	94

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37	Selenocystine potentiates cancer cell apoptosis induced by 5-fluorouracil by triggering reactive oxygen species-mediated DNA damage and inactivation of the ERK pathway. Free Radical Biology and Medicine, 2013, 65, 305-316.	1.3	93
38	Transition metal complexes as photosensitizers for integrated cancer theranostic applications. Coordination Chemistry Reviews, 2020, 418, 213355.	9.5	91
39	Luminescent platinum(<scp>ii</scp>) complexes with self-assembly and anti-cancer properties: hydrogel, pH dependent emission color and sustained-release properties under physiological conditions. Chemical Science, 2015, 6, 3823-3830.	3.7	90
40	Mixed-ligand ruthenium polypyridyl complexes as apoptosis inducers in cancer cells, the cellular translocation and the important role of ROS-mediated signaling. Dalton Transactions, 2014, 43, 17017-17028.	1.6	89
41	Thermosensitive hydrogels for sustained-release of sorafenib and selenium nanoparticles for localized synergistic chemoradiotherapy. Biomaterials, 2019, 216, 119220.	5.7	89
42	Polyethylenimine-functionalized silver nanoparticle-based co-delivery of paclitaxel to induce HepG2 cell apoptosis. International Journal of Nanomedicine, 2016, Volume 11, 6693-6702.	3.3	88
43	Kaempferol Attenuates ROS-Induced Hemolysis and the Molecular Mechanism of Its Induction of Apoptosis on Bladder Cancer. Molecules, 2018, 23, 2592.	1.7	88
44	Phycocyanin protects INS-1E pancreatic beta cells against human islet amyloid polypeptide-induced apoptosis through attenuating oxidative stress and modulating JNK and p38 mitogen-activated protein kinase pathways. International Journal of Biochemistry and Cell Biology, 2009, 41, 1526-1535.	1.2	87
45	Highâ€Drugâ€Loading Mesoporous Silica Nanorods with Reduced Toxicity for Precise Cancer Therapy against Nasopharyngeal Carcinoma. Advanced Functional Materials, 2017, 27, 1703313.	7.8	86
46	An ESIPT fluorescent dye based on HBI with high quantum yield and large Stokes shift for selective detection of Cys. Journal of Materials Chemistry B, 2014, 2, 4159-4166.	2.9	85
47	Ruthenium polypyridyl complexes as inducer of ROS-mediated apoptosis in cancer cells by targeting thioredoxin reductase. Metallomics, 2014, 6, 1480-1490.	1.0	85
48	Rational Design of Cancer-Targeted BSA Protein Nanoparticles as Radiosensitizer to Overcome Cancer Radioresistance. ACS Applied Materials & Interfaces, 2014, 6, 19217-19228.	4.0	85
49	Facile and controllable one-step fabrication of selenium nanoparticles assisted by l-cysteine. Materials Letters, 2010, 64, 614-617.	1.3	84
50	X-ray-responsive selenium nanoparticles for enhanced cancer chemo-radiotherapy. Colloids and Surfaces B: Biointerfaces, 2016, 139, 180-189.	2.5	83
51	Coordination-Assembled Water-Soluble Anionic Lanthanide Organic Polyhedra for Luminescent Labeling and Magnetic Resonance Imaging. Journal of the American Chemical Society, 2020, 142, 16409-16419.	6.6	83
52	Selenium-Containing Allophycocyanin Purified from Selenium-Enriched Spirulina platensis Attenuates AAPH-Induced Oxidative Stress in Human Erythrocytes through Inhibition of ROS Generation. Journal of Agricultural and Food Chemistry, 2011, 59, 8683-8690.	2.4	81
53	The inhibition of H1N1 influenza virus-induced apoptosis by silver nanoparticles functionalized with zanamivir. RSC Advances, 2017, 7, 742-750.	1.7	81
54	Highâ€Yield Synthesis of Multifunctional Tellurium Nanorods to Achieve Simultaneous Chemoâ€Photothermal Combination Cancer Therapy. Advanced Functional Materials, 2017, 27, 1701388.	7.8	81

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55	Bioactive Nanoenzyme Reverses Oxidative Damage and Endoplasmic Reticulum Stress in Neurons under Ischemic Stroke. ACS Nano, 2022, 16, 431-452.	7.3	81
56	Microwave-assisted synthesis of arene ruthenium(II) complexes that induce S-phase arrest in cancer cells by DNA damage-mediated p53 phosphorylation. European Journal of Medicinal Chemistry, 2013, 63, 57-63.	2.6	79
57	Enhancement of Auranofin-Induced Apoptosis in MCF-7 Human Breast Cells by Selenocystine, a Synergistic Inhibitor of Thioredoxin Reductase. PLoS ONE, 2013, 8, e53945.	1.1	79
58	Circular RNA circSLC26A4 Accelerates Cervical Cancer Progression via miR-1287-5p/HOXA7 Axis. Molecular Therapy - Nucleic Acids, 2020, 19, 413-420.	2.3	79
59	Zinc(ii) complexes containing bis-benzimidazole derivatives as a new class of apoptosis inducers that trigger DNA damage-mediated p53 phosphorylation in cancer cells. Dalton Transactions, 2013, 42, 5932.	1.6	78
60	Strategy to enhance the therapeutic effect of doxorubicin in human hepatocellular carcinoma by selenocystine, a synergistic agent that regulates the ROS-mediated signaling. Oncotarget, 2014, 5, 2853-2863.	0.8	78
61	A Sequentially Triggered Nanosystem for Precise Drug Delivery and Simultaneous Inhibition of Cancer Growth, Migration, and Invasion. Advanced Functional Materials, 2016, 26, 7775-7790.	7.8	78
62	Anticancer and Antiangiogenic Iron(II) Complexes That Target Thioredoxin Reductase to Trigger Cancer Cell Apoptosis. Journal of Medicinal Chemistry, 2017, 60, 202-214.	2.9	78
63	Functionalized Multiwalled Carbon Nanotubes as Carriers of Ruthenium Complexes to Antagonize Cancer Multidrug Resistance and Radioresistance. ACS Applied Materials & Interfaces, 2015, 7, 14933-14945.	4.0	77
64	Designing multifunctionalized selenium nanoparticles to reverse oxidative stress-induced spinal cord injury by attenuating ROS overproduction and mitochondria dysfunction. Journal of Materials Chemistry B, 2019, 7, 2648-2656.	2.9	77
65	Chiralityâ€Driven Transportation and Oxidation Prevention by Chiral Selenium Nanoparticles. Angewandte Chemie - International Edition, 2020, 59, 4406-4414.	7.2	77
66	Sialic acid surface decoration enhances cellular uptake and apoptosis-inducing activity of selenium nanoparticles. Colloids and Surfaces B: Biointerfaces, 2011, 83, 183-187.	2.5	76
67	A Cancerâ€Targeted Nanosystem for Delivery of Gold(III) Complexes: Enhanced Selectivity and Apoptosisâ€Inducing Efficacy of a Gold(III) Porphyrin Complex. Angewandte Chemie - International Edition, 2014, 53, 12532-12536.	7.2	74
68	Triangle-Shaped Tellurium Nanostars Potentiate Radiotherapy by Boosting Checkpoint Blockade Immunotherapy. Matter, 2020, 3, 1725-1753.	5.0	74
69	Natural Borneol, a Monoterpenoid Compound, Potentiates Selenocystine-Induced Apoptosis in Human Hepatocellular Carcinoma Cells by Enhancement of Cellular Uptake and Activation of ROS-Mediated DNA Damage. PLoS ONE, 2013, 8, e63502.	1.1	74
70	Mitochondria-mediated apoptosis in human breast carcinoma MCF-7 cells induced by a novel selenadiazole derivative. Biomedicine and Pharmacotherapy, 2008, 62, 77-84.	2.5	73
71	Selenium nanoparticles as new strategy to potentiate Î³Î´ T cell anti-tumor cytotoxicity through upregulation of tubulin-Î± acetylation. Biomaterials, 2019, 222, 119397.	5.7	73
72	Selenium nanoparticles regulates selenoprotein to boost cytokine-induced killer cells-based cancer immunotherapy. Nano Today, 2020, 35, 100975.	6.2	72

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73	Decorated ultrathin bismuth selenide nanosheets as targeted theranostic agents for in vivo imaging guided cancer radiation therapy. NPG Asia Materials, 2017, 9, e439-e439.	3.8	70
74	Purification and characterization of selenium-containing phycocyanin from selenium-enriched Spirulina platensis. Phytochemistry, 2006, 67, 2424-2430.	1.4	69
75	Differential effects of amino acid surface decoration on the anticancer efficacy of selenium nanoparticles. Dalton Transactions, 2014, 43, 1854-1861.	1.6	68
76	Designing immunogenic nanotherapeutics for photothermal-triggered immunotherapy involving reprogramming immunosuppression and activating systemic antitumor responses. Biomaterials, 2020, 255, 120153.	5.7	68
77	Involvement of mitochondrial dysfunction in human islet amyloid polypeptide-induced apoptosis in INS-1E pancreatic beta cells: An effect attenuated by phycocyanin. International Journal of Biochemistry and Cell Biology, 2011, 43, 525-534.	1.2	67
78	Potentiation of in Vivo Anticancer Efficacy of Selenium Nanoparticles by Mushroom Polysaccharides Surface Decoration. Journal of Agricultural and Food Chemistry, 2019, 67, 2865-2876.	2.4	67
79	Cyanidin reverses cisplatin-induced apoptosis in HK-2 proximal tubular cells through inhibition of ROS-mediated DNA damage and modulation of the ERK and AKT pathways. Cancer Letters, 2013, 333, 36-46.	3.2	66
80	Luminescent platinum(II) complexes with functionalized N-heterocyclic carbene or diphosphine selectively probe mismatched and abasic DNA. Nature Communications, 2016, 7, 10655.	5.8	66
81	Boosting Natural Killer Cell-Based Cancer Immunotherapy with Selenocystine/Transforming Growth Factor-Beta Inhibitor-Encapsulated Nanoemulsion. ACS Nano, 2020, 14, 11067-11082.	7.3	66
82	Functionalized selenium nanoparticles with nephroprotective activity, the important roles of ROS-mediated signaling pathways. Journal of Materials Chemistry B, 2013, 1, 6365.	2.9	62
83	Ruthenium Polypyridyl Complex Inhibits Growth and Metastasis of Breast Cancer Cells by Suppressing FAK signaling with Enhancement of TRAIL-induced Apoptosis. Scientific Reports, 2015, 5, 9157.	1.6	62
84	Ruthenium complexes with phenylterpyridine derivatives target cell membrane and trigger death receptors-mediated apoptosis in cancer cells. Biomaterials, 2017, 129, 111-126.	5.7	61
85	Autophagy is an important action mode for functionalized selenium nanoparticles to exhibit anti-colorectal cancer activity. Biomaterials Science, 2018, 6, 2508-2517.	2.6	61
86	A selenium-containing ruthenium complex as a cancer radiosensitizer, rational design and the important role of ROS-mediated signalling. Chemical Communications, 2015, 51, 2637-2640.	2.2	60
87	pH-responsive cancer-targeted selenium nanoparticles: a transformable drug carrier with enhanced theranostic effects. Journal of Materials Chemistry B, 2014, 2, 5409-5418.	2.9	59
88	Ruthenium complexes containing 2,6-bis(benzimidazolyl)pyridine derivatives induce cancer cell apoptosis by triggering DNA damage-mediated p53 phosphorylation. Dalton Transactions, 2012, 41, 12766.	1.6	58
89	Designing luminescent ruthenium prodrug for precise cancer therapy and rapid clinical diagnosis. Biomaterials, 2019, 192, 579-589.	5.7	58
90	Ultraeffective Cancer Therapy with an Antimoneneâ€Based Xâ€Ray Radiosensitizer. Advanced Functional Materials, 2020, 30, 1906010.	7.8	57

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91	Antiangiogenic ruthenium(<scp>ii</scp>) benzimidazole complexes, structure-based activation of distinct signaling pathways. Metallomics, 2015, 7, 439-447.	1.0	56
92	Facile Oneâ€Pot Synthesis of Tellurium Nanorods as Antioxidant and Anticancer Agents. Chemistry - an Asian Journal, 2016, 11, 2301-2311.	1.7	56
93	A multi-functional PEGylated gold(<scp>iii</scp>) compound: potent anti-cancer properties and self-assembly into nanostructures for drug co-delivery. Chemical Science, 2017, 8, 1942-1953.	3.7	56
94	A highly hemocompatible erythrocyte membrane-coated ultrasmall selenium nanosystem for simultaneous cancer radiosensitization and precise antiangiogenesis. Journal of Materials Chemistry B, 2018, 6, 4756-4764.	2.9	56
95	Selenium-containing ruthenium complex synergizes with natural killer cells to enhance immunotherapy against prostate cancer via activating TRAIL/FasL signaling. Biomaterials, 2019, 219, 119377.	5.7	56
96	Highly Uniform Synthesis of Selenium Nanoparticles with EGFR Targeting and Tumor Microenvironment-Responsive Ability for Simultaneous Diagnosis and Therapy of Nasopharyngeal Carcinoma. ACS Applied Materials & Interfaces, 2019, 11, 11177-11193.	4.0	56
97	Radiosensitive core/satellite ternary heteronanostructure for multimodal imaging-guided synergistic cancer radiotherapy. Biomaterials, 2020, 226, 119545.	5.7	55
98	A facile and general method for synthesis of antibiotic-free protein-based hydrogel: Wound dressing for the eradication of drug-resistant bacteria and biofilms. Bioactive Materials, 2022, 18, 446-458.	8.6	54
99	Ruthenium methylimidazole complexes induced apoptosis in lung cancer A549 cells through intrinsic mitochondrial pathway. Biochimie, 2012, 94, 345-353.	1.3	53
100	Synthesis of lipidâ€“black phosphorus quantum dot bilayer vesicles for near-infrared-controlled drug release. Chemical Communications, 2018, 54, 6060-6063.	2.2	53
101	Selenadiazole derivatives as potent thioredoxin reductase inhibitors that enhance the radiosensitivity of cancer cells. European Journal of Medicinal Chemistry, 2014, 84, 335-342.	2.6	52
102	Functionalized Selenium Nanosystem as Radiation Sensitizer of ¹²⁵I Seeds for Precise Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 25857-25869.	4.0	52
103	Electrooxidative and Regioselective Câ€“H Azolation of Phenol and Aniline Derivatives. Angewandte Chemie - International Edition, 2019, 58, 8400-8404.	7.2	52
104	Sensitization of cancer cells to radiation by selenadiazole derivatives by regulation of ROS-mediated DNA damage and ERK and AKT pathways. Biochemical and Biophysical Research Communications, 2014, 449, 88-93.	1.0	51
105	Bioinspired tumor-homing nanosystem for precise cancer therapy via reprogramming of tumor-associated macrophages. NPG Asia Materials, 2018, 10, 1002-1015.	3.8	51
106	Coordination-Driven Enhancement of Radiosensitization by Black Phosphorus via Regulating Tumor Metabolism. ACS Nano, 2021, 15, 3047-3060.	7.3	51
107	Accumulation of selenium in mixotrophic culture of Spirulina platensis on glucose. Bioresource Technology, 2006, 97, 2260-2265.	4.8	50
108	Cellular localization of iron(II) polypyridyl complexes determines their anticancer action mechanisms. Biomaterials, 2015, 71, 168-177.	5.7	50

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109	Cancerâ€Targeting Functionalization of Seleniumâ€Containing Ruthenium Conjugate with Tumor Microenvironmentâ€Responsive Property to Enhance Theranostic Effects. Chemistry - A European Journal, 2018, 24, 3289-3298.	1.7	50
110	Designing dual-functionalized carbon nanotubes with high bloodâ€“brain-barrier permeability for precise orthotopic glioma therapy. Dalton Transactions, 2019, 48, 1569-1573.	1.6	50
111	Chiral ruthenium polypyridyl complexes as mitochondria-targeted apoptosis inducers. MedChemComm, 2010, 1, 73-75.	3.5	49
112	Selenadiazole derivatives as theranostic agents for simultaneous cancer chemo-/radiotherapy by targeting thioredoxin reductase. Journal of Materials Chemistry B, 2015, 3, 8383-8393.	2.9	48
113	Dualâ€Targeted Selenium Nanoparticles for Synergistic Photothermal Therapy and Chemotherapy of Tumors. Chemistry - an Asian Journal, 2018, 13, 996-1004.	1.7	46
114	Photothermalâ€Controlled Nanotubes with Surface Charge Flipping Ability for Precise Synergistic Therapy of Tripleâ€Negative Breast Cancer. Advanced Functional Materials, 2018, 28, 1805225.	7.8	46
115	Synergistic Apoptosis-Inducing Effects on A375 Human Melanoma Cells of Natural Borneol and Curcumin. PLoS ONE, 2014, 9, e101277.	1.1	45
116	Inhibition of islet amyloid polypeptide fibril formation by selenium-containing phycocyanin and prevention of beta cell apoptosis. Biomaterials, 2014, 35, 8596-8604.	5.7	44
117	Phycocyanin-Functionalized Selenium Nanoparticles Reverse Palmitic Acid-Induced Pancreatic Î² Cell Apoptosis by Enhancing Cellular Uptake and Blocking Reactive Oxygen Species (ROS)-Mediated Mitochondria Dysfunction. Journal of Agricultural and Food Chemistry, 2017, 65, 4405-4413.	2.4	44
118	Caspase- and p53-dependent apoptosis in breast carcinoma cells induced by a synthetic selenadiazole derivative. Chemico-Biological Interactions, 2009, 180, 54-60.	1.7	43
119	Cu(II) inhibits hIAPP fibrillation and promotes hIAPP-induced beta cell apoptosis through induction of ROS-mediated mitochondrial dysfunction. Journal of Inorganic Biochemistry, 2014, 140, 143-152.	1.5	43
120	Cryogenic Exfoliation of 2D Stanene Nanosheets for Cancer Theranostics. Nano-Micro Letters, 2021, 13, 90.	14.4	43
121	Apoptosis triggered by isoquercitrin in bladder cancer cells by activating the AMPK-activated protein kinase pathway. Food and Function, 2017, 8, 3707-3722.	2.1	42
122	Controlled synthesis and size effects of multifunctional mesoporous silica nanosystem for precise cancer therapy. Drug Delivery, 2018, 25, 293-306.	2.5	42
123	DNA-templated formation of silver nanoclusters as a novel light-scattering sensor for label-free copper ions detection. Journal of Materials Chemistry, 2012, 22, 20885.	6.7	41
124	Synergistic Induction of Apoptosis by Methylseleninic Acid and Cisplatin, The Role of ROS-ERK/AKT-p53 Pathway. Molecular Pharmaceutics, 2014, 11, 1282-1293.	2.3	40
125	Strategy to enhance the anticancer efficacy of X-ray radiotherapy in melanoma cells by platinum complexes, the role of ROS-mediated signaling pathways. Cancer Letters, 2014, 354, 58-67.	3.2	38
126	Tailored mesoporous silica nanosystem with enhanced permeability of the bloodâ€“brain barrier to antagonize glioblastoma. Journal of Materials Chemistry B, 2016, 4, 5980-5990.	2.9	37

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127	Arene ruthenium(ii) complexes induce S-phase arrest in MG-63 cells through stabilization of c-Myc G-quadruplex DNA. MedChemComm, 2014, 5, 597.	3.5	36
128	Proteomic Analysis of G2/M Arrest Triggered by Natural Borneol/Curcumin in HepG2 Cells, the Importance of the Reactive Oxygen Species-p53 Pathway. Journal of Agricultural and Food Chemistry, 2015, 63, 6440-6449.	2.4	36
129	Nucleus-targeted DNA tetrahedron as a nanocarrier of metal complexes for enhanced glioma therapy. Chemical Communications, 2018, 54, 9394-9397.	2.2	36
130	Differential Effects of Polymerâ€Surface Decoration on Drug Delivery, Cellular Retention, and Action Mechanisms of Functionalized Mesoporous Silica Nanoparticles. Chemistry - an Asian Journal, 2015, 10, 2744-2754.	1.7	35
131	Reversing breast cancer bone metastasis by metal organic framework-capped nanotherapeutics via suppressing osteoclastogenesis. Biomaterials, 2022, 285, 121549.	5.7	35
132	Rational Design of Selenadiazole Derivatives to Antagonize Hyperglycemiaâ€Induced Drug Resistance in Cancer Cells. Chemistry - an Asian Journal, 2015, 10, 642-652.	1.7	34
133	The rational design of NAMI-A-loaded mesoporous silica nanoparticles as antiangiogenic nanosystems. Journal of Materials Chemistry B, 2015, 3, 6338-6346.	2.9	34
134	Cancerâ€Targeted Selenium Nanoparticles Sensitize Cancer Cells to Continuous Î³ Radiation to Achieve Synergetic Chemoâ€Radiotherapy. Chemistry - an Asian Journal, 2017, 12, 3053-3060.	1.7	34
135	Biomedical Application of Reactive Oxygen Speciesâ€“Responsive Nanocarriers in Cancer, Inflammation, and Neurodegenerative Diseases. Frontiers in Chemistry, 2020, 8, 838.	1.8	34
136	Traditional Chinese medicine active ingredients-based selenium nanoparticles regulate antioxidant selenoproteins for spinal cord injury treatment. Journal of Nanobiotechnology, 2022, 20, .	4.2	34
137	Natural borneol enhances bisdemethoxycurcumin-induced cell cycle arrest in the G2/M phase through up-regulation of intracellular ROS in HepG2 cells. Food and Function, 2015, 6, 740-748.	2.1	33
138	Systematic acute and subchronic toxicity evaluation of polysaccharideâ€“protein complex-functionalized selenium nanoparticles with anticancer potency. Biomaterials Science, 2019, 7, 5112-5123.	2.6	33
139	Nanomedicine-based cancer immunotherapies developed by reprogramming tumor-associated macrophages. Nanoscale, 2021, 13, 4705-4727.	2.8	33
140	Radioactive 125I Seed Inhibits the Cell Growth, Migration, and Invasion of Nasopharyngeal Carcinoma by Triggering DNA Damage and Inactivating VEGF-A/ERK Signaling. PLoS ONE, 2013, 8, e74038.	1.1	32
141	Optical properties of nitrogen and sulfur co-doped carbon dots and their applicability as fluorescent probes for living cell imaging. Applied Surface Science, 2019, 494, 377-383.	3.1	32
142	A Gallium(III) Complex that Engages Protein Disulfide Isomerase A3 (PDIA3) as an Anticancer Target. Angewandte Chemie - International Edition, 2020, 59, 20147-20153.	7.2	32
143	Longâ€Term Oxygen Storage Nanosystem for Nearâ€Infrared Lightâ€Triggered Oxygen Supplies to Antagonize Hypoxiaâ€Induced Therapeutic Resistance in Nasopharyngeal Carcinoma. Advanced Functional Materials, 2020, 30, 2002369.	7.8	32
144	In situ-transition nanozyme triggered by tumor microenvironment boosts synergistic cancer radio-/chemotherapy through disrupting redox homeostasis. Biomaterials, 2022, 287, 121620.	5.7	32

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145	DNA binding and photocleavage properties and apoptosis-inducing activities of a ruthenium porphyrin complex [(Py-3â€²)TPP-Ru(phen)2Cl]Cl and its heterometallic derivatives. Chemico-Biological Interactions, 2010, 183, 349-356.	1.7	31
146	Application of nanotechnology in the diagnosis and treatment of bladder cancer. Journal of Nanobiotechnology, 2021, 19, 393.	4.2	31
147	Near-infrared light-triggered nano-prodrug for cancer gas therapy. Journal of Nanobiotechnology, 2021, 19, 443.	4.2	31
148	Overcoming bloodâ€“brain barrier by HER2-targeted nanosystem to suppress glioblastoma cell migration, invasion and tumor growth. Journal of Materials Chemistry B, 2018, 6, 568-579.	2.9	30
149	Designing intelligent nano-bomb with on-demand site-specific drug burst release to synergize with high-intensity focused ultrasound cancer ablation. Journal of Controlled Release, 2021, 331, 270-281.	4.8	30
150	Pre-clinical MRI-guided intravesical instillation theranosis of bladder cancer by tumor-selective oxygen nanogenerator. Nano Today, 2021, 38, 101124.	6.2	30
151	Synthesis of selenazolopyridine derivatives with capability to induce apoptosis in human breast carcinoma MCF-7 cells through scavenge of intracellular ROS. European Journal of Medicinal Chemistry, 2015, 96, 92-97.	2.6	29
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