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Co-delivery of doxorubicin and Bcl-2 siRNA by mesoporous silica nanoparticles enhances the efficacy of chemotherapy in multidrug-resistant cancer cells

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#	Paper	IF	Citations
579	Overcoming multidrug resistance (MDR) in cancer by nanotechnology. 2010 , 53, 2226-2232		19
578	Enhanced gene and siRNA delivery by polycation-modified mesoporous silica nanoparticles loaded with chloroquine. 2010 , 27, 2556-68		95
577	Cancer-cell-specific induction of apoptosis using mesoporous silica nanoparticles as drug-delivery vectors. <i>Small</i> , 2010 , 6, 1234-41	11	142
576	Nanoparticle-assisted combination therapies for effective cancer treatment. <i>Therapeutic Delivery</i> , 2010 , 1, 323-34	3.8	381
575	In vivo delivery of silica nanorattle encapsulated docetaxel for liver cancer therapy with low toxicity and high efficacy. 2010 , 4, 6874-82		278
574	Mesoporous silica microparticles enhance the cytotoxicity of anticancer platinum drugs. 2010 , 4, 789-94		113
573	Towards multifunctional, targeted drug delivery systems using mesoporous silica nanoparticles--opportunities & challenges. 2010 , 2, 1870-83		442
572	Engineered design of mesoporous silica nanoparticles to deliver doxorubicin and P-glycoprotein siRNA to overcome drug resistance in a cancer cell line. 2010 , 4, 4539-50		748
571	Anticancer drug release from a mesoporous silica based nanophotocage regulated by either a one- or two-photon process. 2010 , 132, 10645-7		257
570	Cancer-cell targeting and cell-specific delivery by mesoporous silica nanoparticles. 2010 , 20, 2707		86
569	Hollow Mesoporous Silica/Poly(l-lysine) Particles for Codelivery of Drug and Gene with Enzyme-Triggered Release Property. 2011 , 115, 13630-13636		115
568	Multifunctional triblock Nanocarrier (PAMAM-PEG-PLL) for the efficient intracellular siRNA delivery and gene silencing. 2011 , 5, 1877-87		170
567	Innovative strategy for treatment of lung cancer: targeted nanotechnology-based inhalation co-delivery of anticancer drugs and siRNA. 2011 , 19, 900-14		170
566	Nanoscale delivery systems for multiple drug combinations in cancer. 2011 , 7, 1347-57		11
565	Thermo and pH dual responsive, polymer shell coated, magnetic mesoporous silica nanoparticles for controlled drug release. 2011 , 21, 9239		239
564	Mesoporous silica nanoparticles as nanocarriers. 2011 , 47, 9972-85		277
563	Target-specific gene silencing of layer-by-layer assembled gold-cysteamine/siRNA/PEI/HA nanocomplex. 2011 , 5, 6138-47		132

562	Mesoporous silica nanoparticles loading doxorubicin reverse multidrug resistance: performance and mechanism. 2011 , 3, 4314-22	128
561	Non-viral Gene Therapy. <i>Fundamental Biomedical Technologies</i> , 2011 , 599-699	1
560	Ultrasmall gold-doxorubicin conjugates rapidly kill apoptosis-resistant cancer cells. 2011 , 22, 235-43	72
559	Synergistic induction of apoptosis in brain cancer cells by targeted codelivery of siRNA and anticancer drugs. 2011 , 8, 1955-61	68
558	Hydrophilic mesoporous carbon nanoparticles as carriers for sustained release of hydrophobic anti-cancer drugs. 2011 , 47, 2101-3	106
557	Towards biocompatible nanovalves based on mesoporous silica nanoparticles. 2011 , 2, 1033	158
556	Nanomedicine for targeted cancer therapy: towards the overcoming of drug resistance. 2011 , 14, 150-63	345
555	Toxicology of engineered nanomaterials: focus on biocompatibility, biodistribution and biodegradation. 2011 , 1810, 361-73	359
554	Multi-stage delivery nano-particle systems for therapeutic applications. 2011 , 1810, 317-29	112
553	Traceable multifunctional micellar nanocarriers for cancer-targeted co-delivery of MDR-1 siRNA and doxorubicin. 2011 , 5, 5202-13	367
552	Simultaneous delivery of siRNA and paclitaxel via a "two-in-one" micelleplex promotes synergistic tumor suppression. 2011 , 5, 1483-94	359
551	One-pot synthesis of sustained-released doxorubicin silica nanoparticles for aptamer targeted delivery to tumor cells. 2011 , 3, 2936-42	40
550	Nanotherapeutics to overcome conventional cancer chemotherapy limitations. 2011 , 14, 67-77	293
549	Gene Silencing with siRNA Encapsulated Nanoparticles to Overcome Tumor Multidrug Resistance. 2011 , 298-314	
548	Novel nanotechnology approaches to diagnosis and therapy of ovarian cancer. 2011 , 120, 393-403	47
547	Enhanced anti-tumor efficacy by co-delivery of doxorubicin and paclitaxel with amphiphilic methoxy PEG-PLGA copolymer nanoparticles. 2011 , 32, 8281-90	475
546	The packaging of siRNA within the mesoporous structure of silica nanoparticles. 2011 , 32, 9546-56	158
545	Cationic drug-derived nanoparticles for multifunctional delivery of anticancer siRNA. 2011 , 32, 9785-95	56

544	Polyethylenimine-cyclodextrin-tegafur conjugate shows anti-cancer activity and a potential for gene delivery. 2011 , 12, 720-9		8
543	Design of Mesoporous Silica/Cytosine Phosphodiester-Guanine Oligodeoxynucleotide Complexes To Enhance Delivery Efficiency. 2011 , 115, 447-452		18
542	Mesoporous silica nanoparticles for bioadsorption, enzyme immobilisation, and delivery carriers. 2011 , 3, 2801-18		449
541	Mesoporous silica nanoparticle based nano drug delivery systems: synthesis, controlled drug release and delivery, pharmacokinetics and biocompatibility. 2011 , 21, 5845		573
540	Drug delivery systems for differential release in combination therapy. 2011 , 8, 171-90		72
539	Cancer cell invasion: treatment and monitoring opportunities in nanomedicine. 2011 , 63, 582-96		99
538	Cationic liposomal co-delivery of small interfering RNA and a MEK inhibitor for enhanced anticancer efficacy. 2011 , 28, 3069-78		53
537	Single and repeated dose toxicity of mesoporous hollow silica nanoparticles in intravenously exposed mice. 2011 , 32, 1657-68		275
536	DNAsomes: Multifunctional DNA-based nanocarriers. <i>Small</i> , 2011 , 7, 74-8	11	66
535	Engineering Nanocarriers for siRNA Delivery. <i>Small</i> , 2011 , 7, 841-56	11	92
534	Enhanced chemotherapy efficacy by sequential delivery of siRNA and anticancer drugs using PEI-grafted graphene oxide. <i>Small</i> , 2011 , 7, 460-4	11	478
533	Chitosan-functionalized graphene oxide as a nanocarrier for drug and gene delivery. <i>Small</i> , 2011 , 7, 1569-78		694
532	Reversible pore-structure evolution in hollow silica nanocapsules: large pores for siRNA delivery and nanoparticle collecting. <i>Small</i> , 2011 , 7, 2935-44	11	111
531	Multifunctional Mesoporous Nanoellipsoids for Biological Bimodal Imaging and Magnetically Targeted Delivery of Anticancer Drugs. <i>Advanced Functional Materials</i> , 2011 , 21, 270-278	15.6	228
530	Bioceramics: from bone regeneration to cancer nanomedicine. 2011 , 23, 5177-218		300
529	The synergistic effect of hierarchical assemblies of siRNA and chemotherapeutic drugs co-delivered into hepatic cancer cells. 2011 , 32, 2222-32		192
528	Nanoparticles in oncology: the new theragnostic molecules. 2011 , 11, 669-86		31
527	A double-modulation strategy in cancer treatment with a chemotherapeutic agent and siRNA. 2011 , 19, 2040-7		56

526	Design of magnetic nanoparticles-assisted drug delivery system. <i>Current Pharmaceutical Design</i> , 2011 , 17, 2331-51	3.3	17
525	In vitro study and biocompatibility of calcined mesoporous silica microparticles in mouse lung. 2011 , 122, 86-99		23
524	Enhanced chemotherapy of cancer using pH-sensitive mesoporous silica nanoparticles to antagonize P-glycoprotein-mediated drug resistance. 2011 , 10, 761-9		91
523	Multifunctional mesoporous silica nanoparticles for combined therapeutic, diagnostic and targeted action in cancer treatment. 2011 , 12, 1166-86		122
522	Delivering hydrophilic and hydrophobic chemotherapeutics simultaneously by magnetic mesoporous silica nanoparticles to inhibit cancer cells. 2012 , 7, 999-1013		56
521	Nanostructured porous Si-based nanoparticles for targeted drug delivery. 2012 , 2, 296-312		94
520	Two-in-one: combined targeted chemo and gene therapy for tumor suppression and prevention of metastases. 2012 , 7, 185-97		36
519	Co-delivery strategies based on multifunctional nanocarriers for cancer therapy. 2012 , 13, 1087-96		19
518	Mesoporous Silica Nanoparticles in Nanomedicine. 2012 , 135-182		
517	Co-delivery of doxorubicin and siRNA using octreotide-conjugated gold nanorods for targeted neuroendocrine cancer therapy. 2012 , 4, 7185-93		96
516	Alginate modified nanostructured calcium carbonate with enhanced delivery efficiency for gene and drug delivery. 2012 , 8, 753-9		73
515	Nanoparticle-Based Delivery of siRNA and miRNA for Cancer Therapy. 2012 , 185-203		3
514	Smart multilayered assembly for biocompatible siRNA delivery featuring dissolvable silica, endosome-disrupting polycation, and detachable PEG. 2012 , 6, 6693-705		85
513	Recent advances in the rational design of silica-based nanoparticles for gene therapy. <i>Therapeutic Delivery</i> , 2012 , 3, 1217-1237	3.8	31
512	From cells to DNA materials. 2012 , 15, 190-194		34
511	Co-delivery of all-trans-retinoic-acid and cisplatin(IV) prodrug based on polymer-drug conjugates for enhanced efficacy and safety. 2012 , 22, 25453		14
510	Alginate/CaCO ₃ hybrid nanoparticles for efficient codelivery of antitumor gene and drug. 2012 , 9, 2887-93		76
509	Surface functionalization of mesoporous silica nanoparticles controls loading and release behavior of mitoxantrone. 2012 , 29, 2407-18		69

508	Multifunctional nanocapsules for simultaneous encapsulation of hydrophilic and hydrophobic compounds and on-demand release. 2012 , 6, 2558-65		130
507	Cationic solid lipid nanoparticles for co-delivery of paclitaxel and siRNA. 2012 , 80, 268-73		118
506	Hybrid organic nanotubes with dual functionalities localized on cylindrical nanochannels control the release of doxorubicin. <i>Advanced Healthcare Materials</i> , 2012 , 1, 699-706	10.1	28
505	A glucose-responsive controlled release system using glucose oxidase-gated mesoporous silica nanocontainers. 2012 , 48, 9522-4		77
504	Efficient systemic delivery of siRNA by using high-density lipoprotein-mimicking peptide lipid nanoparticles. 2012 , 7, 1813-25		32
503	Biomedical Applications of Graphene: Opportunities and Challenges. 2012 , 373-408		
502	Effect of molecular weight of polyethyleneimine on loading of CpG oligodeoxynucleotides onto flake-shell silica nanoparticles for enhanced TLR9-mediated induction of interferon- α . 2012 , 7, 3625-35		19
501	Dissolution from inside: a unique degradation behaviour of core-shell magnetic mesoporous silica nanoparticles and the effect of polyethyleneimine coating. 2012 , 22, 22005		50
500	Accumulation and toxicity of antibody-targeted doxorubicin-loaded PEG-PE micelles in ovarian cancer cell spheroid model. 2012 , 164, 95-102		107
499	Co-delivery of siRNA and therapeutic agents using nanocarriers to overcome cancer resistance. <i>Nano Today</i> , 2012 , 7, 367-379	17.9	252
498	RECENT ADVANCES IN GRAPHENE-BASED NANOMATERIALS FOR BIOMEDICAL APPLICATIONS. 2012 , 02, 1230001		34
497	Nanotechnology-based approaches in anticancer research. 2012 , 7, 4391-408		173
496	Poly-L-lysine functionalized large pore cubic mesostructured silica nanoparticles as biocompatible carriers for gene delivery. 2012 , 6, 2104-17		227
495	Engineered nonviral nanocarriers for intracellular gene delivery applications. 2012 , 7, 054106		27
494	Efficient functional delivery of siRNA using mesoporous silica nanoparticles with ultralarge pores. <i>Small</i> , 2012 , 8, 1752-61	11	135
493	Multifunctional fluorescent-magnetic polyethyleneimine functionalized Fe ₃ O ₄ -mesoporous silica yolk-shell nanocapsules for siRNA delivery. 2012 , 48, 8706-8		80
492	Engineering Inorganic Nanoemulsions/Nanoliposomes by Fluoride-Silica Chemistry for Efficient Delivery/Co-Delivery of Hydrophobic Agents. <i>Advanced Functional Materials</i> , 2012 , 22, 1586-1597	15.6	120
491	Advanced materials for co-delivery of drugs and genes in cancer therapy. <i>Advanced Healthcare Materials</i> , 2012 , 1, 373-92	10.1	114

490	Functional silica nanoparticles for redox-triggered drug/ssDNA co-delivery. <i>Advanced Healthcare Materials</i> , 2012 , 1, 690-7	10.1	64
489	Docetaxel nanotechnology in anticancer therapy. 2012 , 7, 952-72		84
488	Nanomedicine against multidrug resistance in cancer treatment. 2012 , 7, 465-8		43
487	Nanocarrier systems for delivery of siRNA to ovarian cancer tissues. 2012 , 9, 743-54		6
486	Cancer therapy improvement with mesoporous silica nanoparticles combining targeting, drug delivery and PDT. 2012 , 423, 509-15		137
485	A simple approach to prepare monodisperse mesoporous silica nanospheres with adjustable sizes. 2012 , 376, 67-75		59
484	Nanoparticle-based combination therapy toward overcoming drug resistance in cancer. 2012 , 83, 1104-11		505
483	In vivo treatment of tumors using host-guest conjugated nanoparticles functionalized with doxorubicin and therapeutic gene pTRAIL. 2012 , 33, 1428-36		78
482	Multifunctional nanocarrier mediated co-delivery of doxorubicin and siRNA for synergistic enhancement of glioma apoptosis in rat. 2012 , 33, 1170-9		148
481	Synergistic treatment of ovarian cancer by co-delivery of survivin shRNA and paclitaxel via supramolecular micellar assembly. 2012 , 33, 6580-91		104
480	Transition metal-chelating surfactant micelle templates for facile synthesis of mesoporous silica nanoparticles. 2012 , 185, 89-94		13
479	In vivo tumor suppression efficacy of mesoporous silica nanoparticles-based drug-delivery system: enhanced efficacy by folate modification. 2012 , 8, 212-20		174
478	Fluorescent monodisperse spherical particles based on mesoporous silica containing rhodamine 6G. 2012 , 54, 1298-1305		9
477	Mesoporous silica nanoparticles: synthesis, biocompatibility and drug delivery. 2012 , 24, 1504-34		1945
476	New Advances on Disease Biomarkers and Molecular Targets in Biomedicine. 2013 ,		
475	Fabrication of FITC-doped silica nanoparticles and study of their cellular uptake in the presence of lectins. 2013 , 101, 2090-6		19
474	Construction of smart surfaces with polymer functionalized silica nanoparticles. 2013 , 4, 1038-1047		25
473	Porous silicon advances in drug delivery and immunotherapy. 2013 , 13, 834-41		55

472	Role of integrated cancer nanomedicine in overcoming drug resistance. 2013 , 65, 1784-802		234
471	Nanopreparations to overcome multidrug resistance in cancer. 2013 , 65, 1748-62		244
470	Lipid-functionalized dextran nanosystems to overcome multidrug resistance in cancer: a pilot study. 2013 , 471, 915-25		33
469	Anisotropic silica mesostructures for DNA encapsulation. 2013 , 36, 329-332		5
468	Polypeptide cationic micelles mediated co-delivery of docetaxel and siRNA for synergistic tumor therapy. 2013 , 34, 3431-8		171
467	Developing functionalized dendrimer-like silica nanoparticles with hierarchical pores as advanced delivery nanocarriers. 2013 , 25, 5981-5		173
466	NIR photoresponsive crosslinked upconverting nanocarriers toward selective intracellular drug release. <i>Small</i> , 2013 , 9, 2937-44	11	154
465	Multifunctional Chitosan Magnetic-Graphene (CMG) Nanoparticles: a Theranostic Platform for Tumor-targeted Co-delivery of Drugs, Genes and MRI Contrast Agents. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4396-4405	7-3	127
464	Mesoporous Silica Nanoparticles for Cancer Therapy. 2013 , 231-242		
463	Integrated hollow mesoporous silica nanoparticles for target drug/siRNA co-delivery. 2013 , 19, 15593-603		138
462	Overcoming multidrug resistance of cancer cells by direct intranuclear drug delivery using TAT-conjugated mesoporous silica nanoparticles. 2013 , 34, 2719-30		203
461	Acid-degradable core-shell nanoparticles for reversed tamoxifen-resistance in breast cancer by silencing manganese superoxide dismutase (MnSOD). 2013 , 34, 10228-37		31
460	Nanotechnology approaches for personalized treatment of multidrug resistant cancers. 2013 , 65, 1880-95		107
459	Multifunctional hierarchically assembled nanostructures as complex stage-wise dual-delivery systems for coincidental yet differential trafficking of siRNA and paclitaxel. 2013 , 13, 2172-81		39
458	Multifunctional and multitargeted nanoparticles for drug delivery to overcome barriers of drug resistance in human cancers. 2013 , 18, 1292-300		48
457	Biophysics of cell membrane lipids in cancer drug resistance: Implications for drug transport and drug delivery with nanoparticles. 2013 , 65, 1686-98		148
456	Inhibition of hepatocellular carcinoma growth using immunoliposomes for co-delivery of adriamycin and ribonucleotide reductase M2 siRNA. 2013 , 34, 10084-98		64
455	Endosomal escape kinetics of mesoporous silica-based system for efficient siRNA delivery. 2013 , 448, 51-7		43

454	Inorganic nanobiomaterial drug carriers for medicine. 2013 , 10, 296-309		26
453	Dual-responsive drug release from oligonucleotide-capped mesoporous silica nanoparticles. <i>Biomaterials Science</i> , 2013 , 1, 912-917	7-4	25
452	Materials innovation for co-delivery of diverse therapeutic cargos. <i>RSC Advances</i> , 2013 , 3, 24794-24811	3-7	45
451	Codelivery of an optimal drug/siRNA combination using mesoporous silica nanoparticles to overcome drug resistance in breast cancer in vitro and in vivo. 2013 , 7, 994-1005		456
450	Mesoporous silica nanoparticles: A multifunctional nano therapeutic system. 2013 , 5, 19-28		122
449	Nanoparticles mimicking viral surface topography for enhanced cellular delivery. 2013 , 25, 6233-7		129
448	Mesoporous silica nanoparticles in medicine--recent advances. 2013 , 65, 689-702		509
447	Targeting mesoporous silica-encapsulated gold nanorods for chemo-photothermal therapy with near-infrared radiation. 2013 , 34, 3150-8		301
446	Lipid-polymer nanoparticles encapsulating doxorubicin and 2'-deoxy-5-azacytidine enhance the sensitivity of cancer cells to chemical therapeutics. 2013 , 10, 1901-9		44
445	pH-responsive nutraceutical-mesoporous silica nanoconjugates with enhanced colloidal stability. 2013 , 52, 2318-22		79
444	Recent advances in delivery of drug-nucleic acid combinations for cancer treatment. 2013 , 172, 589-600		163
443	Mesoporous silica nanoparticles in nanotechnology. 2013 , 33, 229-45		68
442	Development of Pharmaceutically Adapted Mesoporous Silica Nanoparticles for siRNA Delivery. 2013 , 187-205		
441	Targeted delivery of siRNA-generating DNA nanocassettes using multifunctional nanoparticles. <i>Small</i> , 2013 , 9, 1964-73	11	27
440	Nanoparticles for gene delivery. <i>Small</i> , 2013 , 9, 2034-44	11	108
439	In vivo bio-safety evaluations and diagnostic/therapeutic applications of chemically designed mesoporous silica nanoparticles. 2013 , 25, 3144-76		554
438	Understanding and targeting cancer stem cells: therapeutic implications and challenges. 2013 , 34, 732-40		420
437	Different strategies to overcome multidrug resistance in cancer. 2013 , 31, 1397-407		170

436	Cationic poly(ϵ -caprolactone) surface functionalized mesoporous silica nanoparticles and their application in drug delivery. 2013 , 276, 769-775		24
435	Anthracycline Nano-Delivery Systems to Overcome Multiple Drug Resistance: A Comprehensive Review. <i>Nano Today</i> , 2013 , 8, 313-331	17.9	100
434	Lipid modified triblock PAMAM-based nanocarriers for siRNA drug co-delivery. 2013 , 34, 1289-301		153
433	A mesoporous silica nanoparticle-PEI-fusogenic peptide system for siRNA delivery in cancer therapy. 2013 , 34, 1391-401		182
432	BMP2-loaded nanoporous silica nanoparticles promote osteogenic differentiation of human mesenchymal stem cells. <i>RSC Advances</i> , 2013 , 3, 24222	3.7	46
431	Nanocarriers for siRNA delivery to overcome cancer multidrug resistance. 2013 , 58, 4021-4030		6
430	Colchicine Semisynthetics: Chemotherapeutics for Cancer?. <i>Current Medicinal Chemistry</i> , 2013 , 20, 892-898		25
429	Nanomaterials in medicine and pharmaceuticals: nanoscale materials developed with less toxicity and more efficacy. 2013 , 5,		24
428	Nanomaterials for reversion of multidrug resistance in cancer: a new hope for an old idea?. 2013 , 4, 134		26
427	Genotoxicity of Different Nanocarriers: Possible Modifications for the Delivery of Nucleic Acids. <i>Current Drug Discovery Technologies</i> , 2013 , 10, 8-15	1.5	3
426	Nanoparticle Therapies for Wounds and Ulcer Healing. 2013 , 159-202		
425	pH-Responsive Nutraceutical Mesoporous Silica Nanoconjugates with Enhanced Colloidal Stability. 2013 , 125, 2374-2378		21
424	Delivery of cancer therapeutics using nanotechnology. <i>Pharmaceutics</i> , 2013 , 5, 294-317	6.4	74
423	Genotoxicity of Different Nanocarriers: Possible Modifications for the Delivery of Nucleic Acids. <i>Current Drug Discovery Technologies</i> , 2013 , 10, 8-15	1.5	23
422	Transferrin-modified nanostructured lipid carriers as multifunctional nanomedicine for codelivery of DNA and doxorubicin. 2014 , 9, 4107-16		39
421	Co-delivery of doxorubicin and Bmi1 siRNA by folate receptor targeted liposomes exhibits enhanced anti-tumor effects in vitro and in vivo. 2014 , 4, 1096-111		77
420	Nanoscale particulate systems for multidrug delivery: towards improved combination chemotherapy. <i>Therapeutic Delivery</i> , 2014 , 5, 149-71	3.8	38
419	Nanodrug delivery in reversing multidrug resistance in cancer cells. 2014 , 5, 159		143

418	Dual-Functional PEI/Bio(β -Cholesterol-l-Glutamate) Copolymer for Drug/Gene Co-delivery. 2014 , 215, 163-170		8
417	Recent development of silica nanoparticles as delivery vectors for cancer imaging and therapy. 2014 , 10, 297-312		116
416	Synthesis of antimicrobial silsesquioxane/silica hybrids by hydrolytic co-condensation of alkoxysilanes. 2014 , 5, 454-462		17
415	Theranostic GO-based nanohybrid for tumor induced imaging and potential combinational tumor therapy. <i>Small</i> , 2014 , 10, 599-608	11	52
414	The use of cationic MPEG-PCL-g-PEI micelles for co-delivery of hMSurvivin T34A gene and doxorubicin. 2014 , 35, 4536-47		79
413	Solidified self-nanoemulsifying formulation for oral delivery of combinatorial therapeutic regimen: part I. Formulation development, statistical optimization, and in vitro characterization. 2014 , 31, 923-45		55
412	Solidified self-nanoemulsifying formulation for oral delivery of combinatorial therapeutic regimen: part II in vivo pharmacokinetics, antitumor efficacy and hepatotoxicity. 2014 , 31, 946-58		27
411	Co-delivery of siRNAs and anti-cancer drugs using layered double hydroxide nanoparticles. 2014 , 35, 3331-9		215
410	MSN anti-cancer nanomedicines: chemotherapy enhancement, overcoming of drug resistance, and metastasis inhibition. 2014 , 26, 391-411		363
409	Functionalized large pore mesoporous silica nanoparticles for gene delivery featuring controlled release and co-delivery. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 718-726	7-3	90
408	Preparation of reduction-triggered degradable microcapsules for intracellular delivery of anti-cancer drug and gene. 2014 , 55, 110-118		18
407	Inorganic nanoparticle-based drug codelivery nanosystems to overcome the multidrug resistance of cancer cells. 2014 , 11, 2495-510		120
406	Adsorption and release of siRNA from porous silica. 2014 , 30, 4396-405		41
405	Nanotechnology-based intelligent drug design for cancer metastasis treatment. 2014 , 32, 761-77		131
404	Sol-Gel processing of silica nanoparticles and their applications. 2014 , 214, 17-37		180
403	Magnetic mesoporous silica nanoparticles for CpG delivery to enhance cytokine induction via toll-like receptor 9. <i>RSC Advances</i> , 2014 , 4, 45823-45830	3-7	13
402	Angiopep-pluronic F127-conjugated superparamagnetic iron oxide nanoparticles as nanotheranostic agents for BBB targeting. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 5666-5675	7-3	13
401	Co-delivery of small interfering RNA using a camptothecin prodrug as the carrier. 2014 , 50, 1323-5		21

400	Mesoporous silica nanoparticles with redox-responsive surface linkers for charge-reversible loading and release of short oligonucleotides. 2014 , 43, 4115-26		65
399	Nanoscale metal-organic frameworks for the co-delivery of cisplatin and pooled siRNAs to enhance therapeutic efficacy in drug-resistant ovarian cancer cells. 2014 , 136, 5181-4		640
398	An approach to prepare polyethylenimine functionalized silica-based spheres with small size for siRNA delivery. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15626-31	9.5	16
397	Tumor-homing, size-tunable clustered nanoparticles for anticancer therapeutics. 2014 , 8, 9358-67		80
396	Highly effective inhibition of lung cancer growth and metastasis by systemic delivery of siRNA via multimodal mesoporous silica-based nanocarrier. 2014 , 35, 10058-69		85
395	Tumor-targeting multifunctional nanoparticles for siRNA delivery: recent advances in cancer therapy. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1182-93	10.1	55
394	Intracellular delivery of antisense peptide nucleic acid by fluorescent mesoporous silica nanoparticles. 2014 , 25, 1412-20		36
393	Multi-layered nanoparticles for combination gene and drug delivery to tumors. 2014 , 35, 9343-54		53
392	MicroRNAs and drug resistance in prostate cancers. 2014 , 11, 2539-52		48
391	Nanocarrier mediated delivery of siRNA/miRNA in combination with chemotherapeutic agents for cancer therapy: current progress and advances. 2014 , 194, 238-56		257
390	Diatomite biosilica nanocarriers for siRNA transport inside cancer cells. 2014 , 1840, 3393-403		63
389	Tailor-made charge-conversional nanocomposite for pH-responsive drug delivery and cell imaging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 655-63	9.5	38
388	Poly(N-vinyl caprolactam) grown on nanographene oxide as an effective nanocargo for drug delivery. 2014 , 115, 37-45		60
387	Redox-responsive mesoporous silica nanoparticles: a physiologically sensitive codelivery vehicle for siRNA and doxorubicin. 2014 , 21, 707-22		46
386	Co-delivery of doxorubicin and RNA using pH-sensitive poly (E-amino ester) nanoparticles for reversal of multidrug resistance of breast cancer. 2014 , 35, 6047-59		104
385	Mesoporous silica nanoparticles for enhancing the delivery efficiency of immunostimulatory DNA drugs. 2014 , 43, 5142-50		32
384	Multistage porous silicon for cancer therapy. 2014 , 374-402		1
383	Silica Nanoparticle Platform. 2014 , 363-391		3

382	Nanodelivery systems for nucleic acid therapeutics in drug resistant tumors. 2014 , 11, 2511-26		36
381	Mesoporous silica nanoparticles as a breast-cancer targeting ultrasound contrast agent. 2014 , 116, 652-7		89
380	Matrix metalloproteinase 2-sensitive multifunctional polymeric micelles for tumor-specific co-delivery of siRNA and hydrophobic drugs. 2014 , 35, 4213-22		169
379	Therapeutic foam scaffolds incorporating biopolymer-shelled mesoporous nanospheres with growth factors. 2014 , 10, 2612-21		25
378	Tumor-targeting dual peptides-modified cationic liposomes for delivery of siRNA and docetaxel to gliomas. 2014 , 35, 5226-39		189
377	Anisotropic particles from a one-pot double emulsion induced by partial wetting and their triggered release. <i>Small</i> , 2014 , 10, 1412-20	11	37
376	Drug delivery/imaging multifunctionality of mesoporous silica-based composite nanostructures. 2014 , 11, 917-30		56
375	Synthesis of multi-functional large pore mesoporous silica nanoparticles as gene carriers. 2014 , 25, 055701		43
374	Synergistic Enhancement of Lung Cancer Therapy Through Nanocarrier-Mediated Sequential Delivery of Superantigen and Tyrosin Kinase Inhibitor. <i>Advanced Functional Materials</i> , 2014 , 24, 5482-5492 ^{15,6}		16
373	Improved gene transfer with histidine-functionalized mesoporous silica nanoparticles. 2014 , 471, 197-205		25
372	A pH-sensitive micelle for codelivery of siRNA and doxorubicin to hepatoma cells. 2014 , 55, 3217-3226		20
371	Nano carriers that enable co-delivery of chemotherapy and RNAi agents for treatment of drug-resistant cancers. 2014 , 32, 1037-50		93
370	Nanoparticle-mediated systemic delivery of siRNA for treatment of cancers and viral infections. 2014 , 4, 872-92		166
369	Codelivery of doxorubicin and curcumin with lipid nanoparticles results in improved efficacy of chemotherapy in liver cancer. 2015 , 10, 257-70		68
368	Ceramics for Gene Transfection. 2014 , 383-419		
367	WITHDRAWN: PEI-functionalized graphene oxide for hydrophobic drug and gene delivery. <i>Materials Science and Engineering C</i> , 2014 ,	8,3	
366	Novel Layer-by-Layer Deposition Technique for the Preparation of Double-Chambered Nanoparticle Formulations. 2015 , 104, 2637-40		1
365	Overcoming multiple drug resistance by spatial-temporal synchronization of epirubicin and pooled siRNAs. <i>Small</i> , 2015 , 11, 1775-81	11	12

364	Differential Effects of Polymer-Surface Decoration on Drug Delivery, Cellular Retention, and Action Mechanisms of Functionalized Mesoporous Silica Nanoparticles. 2015 , 10, 2744-54		32
363	Structure-Invertible Nanoparticles for Triggered Co-Delivery of Nucleic Acids and Hydrophobic Drugs for Combination Cancer Therapy. <i>Advanced Functional Materials</i> , 2015 , 25, 3380-3392	15.6	72
362	Synthesis of polysaccharide-block-polypeptide copolymer for potential co-delivery of drug and plasmid DNA. 2015 , 15, 756-64		13
361	A Polymeric Bowl for Multi-Agent Delivery. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1498-504	4.8	11
360	Combined Delivery of Temozolomide and Anti-miR221 PNA Using Mesoporous Silica Nanoparticles Induces Apoptosis in Resistant Glioma Cells. <i>Small</i> , 2015 , 11, 5687-95	11	89
359	Redox-Triggered Gatekeeper-Enveloped Starlike Hollow Silica Nanoparticles for Intelligent Delivery Systems. <i>Small</i> , 2015 , 11, 6467-79	11	66
358	Enhanced combination therapy effect on paclitaxel-resistant carcinoma by chloroquine co-delivery via liposomes. 2015 , 10, 6615-32		23
357	Mitochondria apoptosis pathway synergistically activated by hierarchical targeted nanoparticles co-delivering siRNA and lonidamine. 2015 , 61, 178-89		77
356	Nanocarriers targeting cancer stem cells: how to help drugs to find their way home. 2015 , 10, 1043-6		
355	In situ DOX-calcium phosphate mineralized CPT-amphiphilic gelatin nanoparticle for intracellular controlled sequential release of multiple drugs. 2015 , 15, 191-9		34
354	CD44-engineered mesoporous silica nanoparticles for overcoming multidrug resistance in breast cancer. 2015 , 332, 308-317		31
353	Drug and gene co-delivery systems for cancer treatment. <i>Biomaterials Science</i> , 2015 , 3, 1035-49	7.4	74
352	Resistance to Targeted ABC Transporters in Cancer. 2015 ,		3
351	Ultrasound imaging beyond the vasculature with new generation contrast agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015 , 7, 593-608	9.2	58
350	Facile preparation of pH-sensitive and self-fluorescent mesoporous silica nanoparticles modified with PAMAM dendrimers for label-free imaging and drug delivery. 2015 , 266, 171-178		44
349	Combination delivery of Adjuvin and Doxorubicin integrating drug conjugation and nanocarrier approaches for the treatment of drug-resistant cancer cells. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1556-1564	7.3	43
348	Targeted Treatment of Cancer with Nanotherapeutics Based on Mesoporous Silica Nanoparticles. 2015 , 80, 26-36		47
347	pH- and NIR Light-Responsive Micelles with Hyperthermia-Triggered Tumor Penetration and Cytoplasm Drug Release to Reverse Doxorubicin Resistance in Breast Cancer. <i>Advanced Functional Materials</i> , 2015 , 25, 2489-2500	15.6	193

- 346 Acid degradable poly(vinylcaprolactam)-based nanogels with ketal linkages for drug delivery. *Journal of Materials Chemistry B*, **2015**, 3, 5824-5832 7-3 54
- 345 Chitosan layered gold nanorods as synergistic therapeutics for photothermal ablation and gene silencing in triple-negative breast cancer. **2015**, 25, 194-204 53
- 344 Reversal of multidrug resistance in MCF-7/Adr cells by codelivery of doxorubicin and BCL2 siRNA using a folic acid-conjugated polyethylenimine hydroxypropyl- β -cyclodextrin nanocarrier. **2015**, 10, 3147-62 49
- 343 Doxorubicin and curcumin co-delivery by lipid nanoparticles for enhanced treatment of diethylnitrosamine-induced hepatocellular carcinoma in mice. **2015**, 93, 27-36 110
- 342 An indicator-guided photo-controlled drug delivery system based on mesoporous silica/gold nanocomposites. **2015**, 8, 1893-1905 31
- 341 Stimuli-responsive terpolymer mPEG-b-PDMAPMA-b-PAH mediated co-delivery of adriamycin and siRNA to enhance anticancer efficacy. *RSC Advances*, **2015**, 5, 20890-20899 3-7 8
- 340 Multi-drug delivery nanocarriers for combination therapy. **2015**, 6, 1916-1929 67
- 339 Recent Developments in Active Tumor Targeted Multifunctional Nanoparticles for Combination Chemotherapy in Cancer Treatment and Imaging. *Journal of Biomedical Nanotechnology*, **2015**, 11, 1859-48 83
- 338 Bridging small interfering RNA with giant therapeutic outcomes using nanometric liposomes. **2015**, 220, 368-387 28
- 337 Nanocarriers for delivery of siRNA and co-delivery of siRNA and other therapeutic agents. **2015**, 10, 2199-228 42
- 336 Theranostic potential of gold nanoparticle-protein agglomerates. **2015**, 7, 18411-23 21
- 335 Nanotechnology approaches for inhalation treatment of lung diseases. **2015**, 219, 500-518 196
- 334 Cancer Stem Cells: Formidable Allies of Cancer. **2015**, 6, 400-14 3
- 333 Targeting Wnt Canonical Signaling by Recombinant sFRP1 Bound Luminescent Au-Nanocluster Embedded Nanoparticles in Cancer Theranostics. **2015**, 1, 1256-1266 23
- 332 Folate-decorated hydrophilic three-arm star-block terpolymer as a novel nanovehicle for targeted co-delivery of doxorubicin and Bcl-2 siRNA in breast cancer therapy. **2015**, 15, 102-16 60
- 331 Surface functionalized mesoporous silica nanoparticles as an effective carrier for epirubicin delivery to cancer cells. **2015**, 89, 248-58 67
- 330 Silica-based matrices: State of the art and new perspectives for therapeutic drug delivery. **2015**, 62, 754-64 7
- 329 A salt-assisted acid etching strategy for hollow mesoporous silica/organosilica for pH-responsive drug and gene co-delivery. *Journal of Materials Chemistry B*, **2015**, 3, 766-775 7-3 57

328	Nanomaterials for theranostics: recent advances and future challenges. 2015 , 115, 327-94	883
327	Advances in combination therapies based on nanoparticles for efficacious cancer treatment: an analytical report. 2015 , 16, 1-27	85
326	Nanotechnology to Combat Multidrug Resistance in Cancer. 2015 , 245-272	5
325	Biomedical Applications of Supramolecular Systems Based on Host-Guest Interactions. 2015 , 115, 7794-839	758
324	Binding of CpG oligodeoxynucleotides to mesoporous silica nanoparticles for enhancing delivery efficiency. 2015 , 204, 91-98	21
323	Glycol chitosan nanoparticles as specialized cancer therapeutic vehicles: sequential delivery of doxorubicin and Bcl-2 siRNA. 2014 , 4, 6878	97
322	Multifunctional enveloped mesoporous silica nanoparticles for subcellular co-delivery of drug and therapeutic peptide. 2014 , 4, 6064	111
321	Silica-Based Nanovectors: From Mother Nature to Biomedical Applications. 2016 ,	1
320	Effective combination treatment of lung cancer cells by single vehicular delivery of siRNA and different anticancer drugs. 2016 , 11, 4609-4624	20
319	Galactosylated Liposomes for Targeted Co-Delivery of Doxorubicin/Vimentin siRNA to Hepatocellular Carcinoma. 2016 , 6,	55
318	Anti-tumor Efficiency of Lipid-coated Cisplatin Nanoparticles Co-loaded with MicroRNA-375. 2016 , 6, 142-54	64
317	Hybrid Nanomaterials Based on Iron Oxide Nanoparticles and Mesoporous Silica Nanoparticles: Overcoming Challenges in Current Cancer Treatments. 2016 , 2016, 1-15	18
316	Delivery of RNAi Therapeutics to the Airways-From Bench to Bedside. 2016 , 21,	39
315	An Overview of Nanomaterials in Dermatology. 2016 , 31-46	2
314	Chemistry of Mesoporous Organosilica in Nanotechnology: Molecularly Organic-Inorganic Hybridization into Frameworks. 2016 , 28, 3235-72	231
313	How can nanomedicines overcome cellular-based anticancer drug resistance?. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5078-5100	73 29
312	Amine functionalized cubic mesoporous silica nanoparticles as an oral delivery system for curcumin bioavailability enhancement. 2016 , 27, 505605	32
311	Applied Nanotechnology and Nanoscience in Orthopedic Oncology. 2016 , 39, 280-6	15

310	Nanoparticles for siRNA-Based Gene Silencing in Tumor Therapy. 2016 , 15, 849-863		32
309	Role of pH-responsiveness in the design of chitosan-based cancer nanotherapeutics: A review. 2016 , 11, 04B201		23
308	Lipidoid nanoparticle mediated silencing of Mcl-1 induces apoptosis in mantle cell lymphoma. 2016 , 241, 1007-13		19
307	The application of mesoporous silica nanoparticle family in cancer theranostics. 2016 , 319, 86-109		111
306	Nanotechnology for cancer therapy: Invading the mechanics of cancer. 2016 , 395-470		1
305	Overcoming ABC transporter-mediated multidrug resistance: Molecular mechanisms and novel therapeutic drug strategies. 2016 , 27, 14-29		362
304	Gossypol-Capped Mitoxantrone-Loaded Mesoporous SiO ₂ NPs for the Cooperative Controlled Release of Two Anti-Cancer Drugs. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14414-22	9.5	16
303	Janus Nanocage toward Platelet Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12056-62	9.5	8
302	Dual responsive mesoporous silica nanoparticles for targeted co-delivery of hydrophobic and hydrophilic anticancer drugs to tumor cells. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4382-4388	7.3	46
301	Template-based syntheses for shape controlled nanostructures. 2016 , 234, 51-79		73
300	Cocombing Synthesis of Bimodal Mesoporous Silica for Potential Drug Carrier. 2016 , 1, 1339-1346		9
299	Selective Release of Hydrophobic and Hydrophilic Cargos from Multi-Stimuli-Responsive Nanogels. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28888-28896	9.5	60
298	Simultaneous cytosolic delivery of a chemotherapeutic and siRNA using nanoparticle-stabilized nanocapsules. 2016 , 27, 374001		13
297	Codelivery of anticancer drugs and siRNA by mesoporous silica nanoparticles. <i>Therapeutic Delivery</i> , 2016 , 7, 649-55	3.8	19
296	Mesoporous Silica Nanoparticles (MSNs) for Cancer Theranostics. 2016 , 143-175		2
295	Phenylboronic acid-functionalized polyamidoamine-mediated Bcl-2 siRNA delivery for inhibiting the cell proliferation. 2016 , 146, 318-25		20
294	Dual-Responsive Mesoporous Silica Nanoparticles Mediated Codelivery of Doxorubicin and Bcl-2 SiRNA for Targeted Treatment of Breast Cancer. 2016 , 120, 22375-22387		73
293	Systems Biology of Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2016 ,	3.6	5

292	The Tumor Microenvironment as a Barrier to Cancer Nanotherapy. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 936, 165-190	3.6	15
291	Exploiting Nanocarriers for Combination Cancer Therapy. <i>Fundamental Biomedical Technologies</i> , 2016 , 375-402		
290	Novel polymer micelle mediated co-delivery of doxorubicin and P-glycoprotein siRNA for reversal of multidrug resistance and synergistic tumor therapy. 2016 , 6, 23859		84
289	An Integrative Folate-Based Metal Complex Nanotube as a Potent Antitumor Nanomedicine as Well as an Efficient Tumor-Targeted Drug Carrier. 2016 , 27, 2863-2873		11
288	Supramolecular cyclodextrin nanocarriers for chemo- and gene therapy towards the effective treatment of drug resistant cancers. 2016 , 8, 18876-18881		60
287	In vivo synergistic antitumor effect and safety of siRNA and lonidamine dual-loaded hierarchical targeted nanoparticles. 2016 , 506, 207-13		10
286	Generation Dependency of Stimuli-Responsive Dendron-Gated Mesoporous Silica Nanocontainers. 2016 , 24, 478-481		6
285	Non-viral nucleic acid containing nanoparticles as cancer therapeutics. 2016 , 13, 1475-87		26
284	Enhanced Sensitivity of Cancer Stem Cells to Chemotherapy Using Functionalized Mesoporous Silica Nanoparticles. 2016 , 13, 2749-59		24
283	Targeted delivery of transferrin and TAT co-modified liposomes encapsulating both paclitaxel and doxorubicin for melanoma. 2016 , 23, 1171-83		47
282	Ligand-targeted theranostic nanomedicines against cancer. 2016 , 240, 267-286		114
281	Sol-gel based materials for biomedical applications. 2016 , 77, 1-79		430
280	Targeting tumor microenvironment with PEG-based amphiphilic nanoparticles to overcome chemoresistance. 2016 , 12, 269-86		75
279	Comb-like amphiphilic polypeptide-based copolymer nanomicelles for co-delivery of doxorubicin and P-gp siRNA into MCF-7 cells. <i>Materials Science and Engineering C</i> , 2016 , 62, 564-73	8.3	33
278	Computational and experimental approaches for investigating nanoparticle-based drug delivery systems. 2016 , 1858, 1688-709		108
277	Size-dependent gene delivery of amine-modified silica nanoparticles. 2016 , 9, 291-305		25
276	Gated Materials for On-Command Release of Guest Molecules. 2016 , 116, 561-718		361
275	Progress and perspective of inorganic nanoparticle-based siRNA delivery systems. 2016 , 13, 547-59		55

274	Nanoparticle-enhanced generation of gene-transfected mesenchymal stem cells for in vivo cardiac repair. 2016 , 74, 188-99		34
273	Nanoparticle-mediated co-delivery of chemotherapeutic agent and siRNA for combination cancer therapy. 2017 , 14, 65-73		63
272	Recent applications of the combination of mesoporous silica nanoparticles with nucleic acids: development of bioresponsive devices, carriers and sensors. <i>Biomaterials Science</i> , 2017 , 5, 353-377	7.4	67
271	Composite core-shell microparticles from microfluidics for synergistic drug delivery. 2017 , 60, 543-553		56
270	Impacts of Cross-Linkers on Biological Effects of Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10254-10265	9.5	15
269	Progress in Nanotheranostics Based on Mesoporous Silica Nanomaterial Platforms. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10309-10337	9.5	84
268	Polymers in the Co-delivery of siRNA and Anticancer Drugs for the Treatment of Drug-resistant Cancers. 2017 , 375, 24		17
267	Porous Inorganic Drug Delivery Systems-a Review. 2017 , 18, 1507-1525		40
266	Redox-responsive nanocarriers for drug and gene co-delivery based on chitosan derivatives modified mesoporous silica nanoparticles. 2017 , 155, 41-50		95
265	The generation of compartmentalized nanoparticles containing siRNA and cisplatin using a multi-needle electrohydrodynamic strategy. 2017 , 9, 5975-5985		13
264	Cancer Nanotechnology. 2017 , 1-7		
263	Nanocarrier mediated combination drug delivery for chemotherapy [A review]. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 39, 362-371	4.5	50
262	Silica-based systems for oral delivery of drugs, macromolecules and cells. 2017 , 249, 346-362		80
261	Core-shell hierarchical mesostructured silica nanoparticles for gene/chemo-synergetic stepwise therapy of multidrug-resistant cancer. 2017 , 133, 219-228		91
260	Co-administration of liposomal l-OHP and PEGylated TS shRNA-lipoplex: A novel approach to enhance anti-tumor efficacy and reduce the immunogenic response to RNAi molecules. 2017 , 255, 210-217		4
259	Nanosilica Schiff-Base Copper(II) Complexes with Sustainable Antimicrobial Activity against Bacteria and Reduced Risk of Harm to Plant and Environment. 2017 , 5, 502-509		17
258	Mesoporous Silica Nanoparticles as a Carrier Platform for Intracellular Delivery of Nucleic Acids. 2017 , 82, 655-662		17
257	Surface PEGylation of Mesoporous Silica Nanorods (MSNR): Effect on loading, release, and delivery of mitoxantrone in hypoxic cancer cells. 2017 , 7, 2274		25

256	Neutron-activatable radionuclide cancer therapy using graphene oxide nanoplatelets. 2017 , 52, 42-48	8
255	Recent advances in mechanism-based chemotherapy drug-siRNA pairs in co-delivery systems for cancer: A review. 2017 , 157, 297-308	27
254	Silica-based multifunctional nanodelivery systems toward regenerative medicine. 2017 , 4, 772-799	53
253	Stimuli-Responsive Mesoporous Silica NPs as Non-viral Dual siRNA/Chemotherapy Carriers for Triple Negative Breast Cancer. 2017 , 7, 164-180	33
252	Dual functional hybrid-polyoxometalate as a new approach for multidrug delivery. 2017 , 247, 23-30	26
251	Targeting ETS1 with RNAi-based supramolecular nanoassemblies for multidrug-resistant breast cancer therapy. 2017 , 253, 110-121	36
250	A green approach to dual-drug nanoformulations with targeting and synergistic effects for cancer therapy. 2017 , 24, 51-60	20
249	Synthesis of silica-PAMAM dendrimer nanoparticles as promising carriers in Neuro blastoma cells. 2017 , 519, 1-7	32
248	Polymers in the co-delivery of siRNA and anticancer drugs to treat multidrug-resistant tumors. 2017 , 47, 37-49	36
247	Enhanced cytotoxicity by a benzothiazole-containing cisplatin derivative in breast cancer cells. 2017 , 41, 773-785	16
246	Gold nanorod embedded large-pore mesoporous organosilica nanospheres for gene and photothermal cooperative therapy of triple negative breast cancer. 2017 , 9, 1466-1474	34
245	Nanomedicine for cancer diagnosis and therapy: advancement, success and structure-activity relationship. <i>Therapeutic Delivery</i> , 2017 , 8, 1003-1018	3.8 42
244	Fabrication of self-assembled folate-biotin-quaternized starch nanoparticles as co-carrier of doxorubicin and siRNA. 2017 , 32, 587-597	13
243	Co-delivery strategies to overcome multidrug resistance in ovarian cancer. 2017 , 533, 111-124	25
242	A drug-self-gated and tumor microenvironment-responsive mesoporous silica vehicle: "four-in-one" versatile nanomedicine for targeted multidrug-resistant cancer therapy. 2017 , 9, 17063-17073	54
241	Inorganic Nanocomposites—A New Paradigm in Drug Delivery. 2017 , 317-357	
240	Multifunctional nanoparticles co-delivering EZH2 siRNA and etoposide for synergistic therapy of orthotopic non-small-cell lung tumor. 2017 , 268, 198-211	30
239	Hybrid Particles. 2017 , 153-168	1

238	Effect of BN Nanoparticles Loaded with Doxorubicin on Tumor Cells with Multiple Drug Resistance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32498-32508	9.5	23
237	The potential of multi-compound nanoparticles to bypass drug resistance in cancer. 2017 , 80, 881-894		42
236	MDR in cancer: Addressing the underlying cellular alterations with the use of nanocarriers. 2017 , 126, 2-30		35
235	A co-delivery nanosystem of chemotherapeutics and DNAzyme overcomes cancer drug resistance and metastasis. 2017 , 1, 035005		1
234	Tailoring of physicochemical properties of nanocarriers for effective anti-cancer applications. 2017 , 105, 2906-2928		18
233	Advances in nanomicelles for sustained drug delivery. 2017 , 55, 21-34		30
232	Multivalent Aptamer-RNA Conjugates for Simple and Efficient Delivery of Doxorubicin/siRNA into Multidrug-Resistant Cells. 2017 , 17, 1600343		31
231	A drug-delivery strategy for overcoming drug resistance in breast cancer through targeting of oncofetal fibronectin. 2017 , 13, 713-722		31
230	Targeted Co-delivery of PTX and TR3 siRNA by PTP Peptide Modified Dendrimer for the Treatment of Pancreatic Cancer. <i>Small</i> , 2017 , 13, 1602697	11	40
229	Lipid-coated hollow mesoporous silica nanospheres for co-delivery of doxorubicin and paclitaxel: Preparation, sustained release, cellular uptake and pharmacokinetics. <i>Materials Science and Engineering C</i> , 2017 , 71, 835-843	8,3	20
228	Advances in mesoporous silica-based nanocarriers for co-delivery and combination therapy against cancer. 2017 , 14, 229-243		131
227	The Serum-Resistant Transfection Evaluation and Long-Term Stability of Gene Delivery Dry Powder Based on Mesoporous Silica Nanoparticles and Polyethyleneimine by Freezing-Drying. 2017 , 18, 1536-1543		10
226	Particulate Technology for Delivery of Therapeutics. 2017 ,		4
225	Water-soluble polyacetylene: a promising tool for sustainable drug delivery?. <i>Therapeutic Delivery</i> , 2017 , 8, 929-932	3,8	1
224	Codelivery of doxorubicin and triptolide with reduction-sensitive lipid-polymer hybrid nanoparticles for in vitro and in vivo synergistic cancer treatment. 2017 , 12, 1853-1862		42
223	Drug-Loaded Polymeric Nanoparticles for Cancer Stem Cell Targeting. 2017 , 8, 51		39
222	Codelivery of doxorubicin and MDR1-siRNA by mesoporous silica nanoparticles-polymerpolyethylenimine to improve oral squamous carcinoma treatment. 2018 , 13, 187-198		33
221	Dendrimers as Nanocarriers for Nucleic Acid and Drug Delivery in Cancer Therapy. 2017 , 22,		340

220	Combination therapy of macromolecules and small molecules: approaches, advantages, and limitations. 2017 , 541-561		2
219	Multifunctional therapeutic hybrid nanocarriers for targeted and triggered drug delivery: recent trends and future prospects. 2017 , 461-493		
218	Polyphosphoester nanoparticles as biodegradable platform for delivery of multiple drugs and siRNA. 2017 , 11, 483-496		25
217	DNA Tetrahedron Delivery Enhances Doxorubicin-Induced Apoptosis of HT-29 Colon Cancer Cells. 2017 , 12, 495		25
216	Dual-drug loaded nanoneedles with targeting property for efficient cancer therapy. 2017 , 15, 91		13
215	Aerosol Delivery of siRNA to the Lungs. Part 2: Nanocarrier-based Delivery Systems. 2017 , 34, 44-69		16
214	Nano-Hydroxyapatite-Derived Drug and Gene Co-Delivery System for Anti-Angiogenesis Therapy of Breast Cancer. 2017 , 23, 4723-4732		17
213	Inhibition by Multifunctional Magnetic Nanoparticles Loaded with Alpha-Synuclein RNAi Plasmid in a Parkinson's Disease Model. 2017 , 7, 344-356		88
212	Biomedical and drug delivery applications of functionalized inorganic nanomaterials. 2017 , 325-379		2
211	Mesoporous silica nanoparticles: a promising multifunctional drug delivery system. 2017 , 593-621		10
210	Nanotechnology-based combination therapy for overcoming multidrug-resistant cancer. <i>Cancer Biology and Medicine</i> , 2017 , 14, 212-227	5.2	75
209	Natural and artificial small RNAs: a promising avenue of nucleic acid therapeutics for cancer. <i>Cancer Biology and Medicine</i> , 2017 , 14, 242-253	5.2	8
208	Novel application of pluronic lecithin organogels (PLOs) for local delivery of synergistic combination of docetaxel and cisplatin to improve therapeutic efficacy against ovarian cancer. 2018 , 25, 632-643		17
207	PLGA Spherical Nucleic Acids. 2018 , 30, e1707113		47
206	Nanoparticle-Mediated Delivery towards Advancing Plant Genetic Engineering. 2018 , 36, 882-897		194
205	Magnetically targeted co-delivery of hydrophilic and hydrophobic drugs with hollow mesoporous ferrite nanoparticles.. <i>RSC Advances</i> , 2018 , 8, 15326-15335	3.7	6
204	Tween 20-Assisted Synthesis of Uniform Mesoporous Silica Nanospheres with Wormhole Porosity for Efficient Intracellular Curcumin Delivery. 2018 , 3, 3324-3329		0
203	Porous silica nanoparticles as carrier for curcumin delivery. 2018 ,		2

202	Combinational strategy for high-performance cancer chemotherapy. 2018 , 171, 178-197		116
201	ROS-responsive mesoporous silica nanoparticles for MR imaging-guided photodynamically maneuvered chemotherapy. 2018 , 10, 9616-9627		36
200	Combinational drug delivery using nanocarriers for breast cancer treatments: A review. 2018 , 106, 2272-2283	28	
199	Nanomaterial-assisted sensitization of oncotherapy. 2018 , 11, 2932-2950		16
198	"Stealth and Fully-Laden" Drug Carriers: Self-Assembled Nanogels Encapsulated with Epigallocatechin Gallate and siRNA for Drug-Resistant Breast Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 9938-9948	9.5	35
197	A Yolk@Shell Nanoplatform for Gene-Silencing-Enhanced Photolytic Ablation of Cancer. <i>Advanced Functional Materials</i> , 2018 , 28, 1706398	15.6	14
196	Preoccupation of Empty Carriers Decreases Endo-/Lysosome Escape and Reduces the Protein Delivery Efficiency of Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5340-5347	9.5	22
195	Engineering functional inorganic-organic hybrid systems: advances in siRNA therapeutics. 2018 , 47, 1969-1995	71	
194	Mesoporous silica nanorods toward efficient loading and intracellular delivery of siRNA. 2018 , 20, 1		7
193	Mesoporous silica nanoparticles for drug and gene delivery. <i>Acta Pharmaceutica Sinica B</i> , 2018 , 8, 165-177	5.5	305
192	Augmented Anticancer Efficacy by si-RNA Complexed Drug-Loaded Mesoporous Silica Nanoparticles in Lung Cancer Therapy. <i>ACS Applied Nano Materials</i> , 2018 , 1, 730-740	5.6	21
191	Reduction/photo dual-responsive polymeric prodrug nanoparticles for programmed siRNA and doxorubicin delivery. <i>Biomaterials Science</i> , 2018 , 6, 1457-1468	7.4	36
190	Triple therapy of hepatocellular carcinoma with microRNA-122 and doxorubicin co-loaded functionalized gold nanocages. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2217-2229	7.3	19
189	Nanocarrier based approaches for targeting breast cancer stem cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 885-898	6.1	19
188	Combined Phycocyanin and Hematoporphyrin Monomethyl Ether for Breast Cancer Treatment via Photosensitizers Modified FeO Nanoparticles Inhibiting the Proliferation and Migration of MCF-7 Cells. 2018 , 19, 31-41		17
187	Mesoporous Silica and Organosilica Nanoparticles: Physical Chemistry, Biosafety, Delivery Strategies, and Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700831	10.1	306
186	Suppression of p53R2 gene expression with specific siRNA sensitizes HepG2 cells to doxorubicin. 2018 , 642, 249-255		19
185	A Pt(IV)-mediated polymer architecture for facile and stimuli-responsive intracellular gene silencing with chemotherapy. <i>Biomaterials Science</i> , 2018 , 6, 3345-3355	7.4	4

184	Stabilized calcium phosphate hybrid nanocomposite using a benzoxaborole-containing polymer for pH-responsive siRNA delivery. <i>Biomaterials Science</i> , 2018 , 6, 3178-3188	7.4	23
183	Fabrication of 6-gingerol, doxorubicin and alginate hydroxyapatite into a bio-compatible formulation: enhanced anti-proliferative effect on breast and liver cancer cells. 2018 , 12, 119		18
182	Doxorubicin-loaded protease-activated near-infrared fluorescent polymeric nanoparticles for imaging and therapy of cancer. 2018 , 13, 6961-6986		27
181	Advances in delivery systems for doxorubicin. 2018 , 9,		96
180	Thiol redox-sensitive cationic polymers for dual delivery of drug and gene. <i>Therapeutic Delivery</i> , 2018 , 9, 751-773	3.8	3
179	Preparation, Characterization, and In Vivo Evaluation of an Oral Multiple Nanoemulsive System for Co-Delivery of Pemetrexed and Quercetin. <i>Pharmaceutics</i> , 2018 , 10,	6.4	14
178	Gene and Cell Therapy: Biology and Applications. 2018 ,		0
177	Pharmaco-Gene Therapy. 2018 , 131-145		
176	Inorganic nanotheranostics: Strategy development and applications. 2018 , 377-419		1
175	In Situ Synthesis of Ultrathin ZIF-8 Film-Coated MSNs for Codelivering Bcl 2 siRNA and Doxorubicin to Enhance Chemotherapeutic Efficacy in Drug-Resistant Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33070-33077	9.5	54
174	Bio-nano: Theranostic at Cellular Level. 2018 , 85-170		1
173	Stepwise co-delivery of an enzyme and prodrug based on a multi-responsive nanoplatform for accurate tumor therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 6262-6268	7.3	15
172	Enhancing the therapeutic effect via elimination of hepatocellular carcinoma stem cells using Bmi1 siRNA delivered by cationic cisplatin nanocapsules. 2018 , 14, 2009-2021		19
171	Photoresponsive Nanovehicle for Two Independent Wavelength Light-Triggered Sequential Release of P-gp shRNA and Doxorubicin To Optimize and Enhance Synergistic Therapy of Multidrug-Resistant Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19416-19427	9.5	49
170	Molecular therapy using siRNA: Recent trends and advances of multi target inhibition of cancer growth. 2018 , 116, 880-892		26
169	Macroporous silica nanoparticles for delivering Bcl2-function converting peptide to treat multidrug resistant-cancer cells. 2018 , 527, 141-150		8
168	Telomerase Responsive Delivery of Doxorubicin from Mesoporous Silica Nanoparticles in Multiple Malignancies: Therapeutic Efficacies against Experimental Aggressive Murine Lymphoma. 2018 , 29, 2107-2119 ¹³		
167	Functionalization of silica nanoparticles for nucleic acid delivery. 2018 , 11, 5219-5239		26

166	Preparation and characterization of nanosilica copper (II) complexes of amino acids. 2018 , 358, 207-215		7
165	Current Transport Systems and Clinical Applications for Small Interfering RNA (siRNA) Drugs. 2018 , 22, 551-569		17
164	Fabrication of Hollow Silica Particles Using a Self-Assembled Polyethylene Granule as a Template. 2018 , 2018, 1-9		
163	Dual drug delivery system of PLGA nanoparticles to reverse drug resistance by altering BAX/Bcl-2. <i>Journal of Drug Delivery Science and Technology</i> , 2018 , 47, 291-298	4-5	7
162	Doxorubicin@Bcl-2 siRNA Core@Shell Nanoparticles for Synergistic Anticancer Chemotherapy.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 289-297	4-1	11
161	Drug Delivery Nanoparticles in Treating Chemoresistant Tumor Cells. <i>Current Medicinal Chemistry</i> , 2017 , 24, 4800-4815	4-3	6
160	Evolution and present scenario of multifunctionalized mesoporous nanosilica platform: A mini review. <i>Materials Science and Engineering C</i> , 2018 , 91, 912-928	8-3	22
159	Nanotechnology for Cancer Therapy Based on Chemotherapy. 2018 , 23,		134
158	Inorganic Nanotheranostic Platforms for Rapid and Reliable Molecular Profiling of Diseases. 2018 , 421-462		
157	Multifunctional Magnetic Mesoporous Silica Nanoagents for Enzyme-Responsive Drug Delivery and MR Imaging. 2018 , 2, 233-242		47
156	Overcoming Chemoresistance in Cancer via Combined MicroRNA Therapeutics with Anticancer Drugs Using Multifunctional Magnetic Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26954-26963	9-5	36
155	Mesoporous silica nanoparticles as cutting-edge theranostics: Advancement from merely a carrier to tailor-made smart delivery platform. 2018 , 287, 35-57		57
154	Multifunctional Nanosystem for Targeted and Controlled Delivery of Multiple Chemotherapeutic Agents for the Treatment of Drug-Resistant Breast Cancer. 2018 , 3, 9210-9219		25
153	Fabrication and Evaluation of Dual Peptides-Modified Liposomes Coencapsulating siRNA and Docetaxel. 2018 , 1-15		
152	Fabrication and Evaluation of Dual Peptides-Modified Liposomes Coencapsulating siRNA and Docetaxel. 2018 , 1-15		
151	Biofunctionalized Mesoporous Silica Nanomaterials for Targeted Drug Delivery. 2018 , 489-520		3
150	Nanocarrier-based systems for targeted and site specific therapeutic delivery. 2019 , 144, 57-77		93
149	Multidisciplinary Role of Mesoporous Silica Nanoparticles in Brain Regeneration and Cancers: From Crossing the BloodBrain Barrier to Treatment. 2019 , 36, 1900195		25

148	Conjugated polymer dots for biocompatible siRNA delivery. 2019 , 43, 14443-14449		7
147	Inner and Outer Surface Functionalizations of Ultrasmall Fluorescent Silica Nanorings As Shown by High-Performance Liquid Chromatography. 2019 , 31, 5519-5528		6
146	Bioactive Natural Products for the Management of Cancer: from Bench to Bedside. 2019 ,		2
145	Drug Resistance in Cancer and Role of Nanomedicine-Based Natural Products. 2019 , 177-218		
144	Conjugation of Small Molecules to RNA Using a Reducible Disulfide Linker Attached at the 2'-OH Position through a Carbamate Function. 2019 , 2019, 5636-5645		3
143	Combination of light-driven co-delivery of chemodrugs and plasmonic-induced heat for cancer therapeutics using hybrid protein nanocapsules. 2019 , 17, 106		13
142	Nanoparticles-Mediated Combination Therapies for Cancer Treatment. <i>Advanced Therapeutics</i> , 2019 , 2, 1900076	4.9	26
141	Theranostic Nanostructures for Ovarian Cancer. 2019 , 36, 305-371		2
140	Current strategies for different paclitaxel-loaded Nano-delivery Systems towards therapeutic applications for ovarian carcinoma: A review article. 2019 , 311-312, 125-137		42
139	Nanotechnology for pharmaceuticals. 2019 , 475-502		5
138	A strategy using mesoporous polymer nanospheres as nanocarriers of Bcl-2 siRNA towards breast cancer therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 477-487	7.3	12
137	Phenylboronic acid-functionalized polyamidoamine-mediated miR-34a delivery for the treatment of gastric cancer. <i>Biomaterials Science</i> , 2019 , 7, 1632-1642	7.4	18
136	Functionalized mesoporous silica nanoparticles and biomedical applications. <i>Materials Science and Engineering C</i> , 2019 , 99, 631-656	8.3	81
135	MiRNA-204-5p and oxaliplatin-loaded silica nanoparticles for enhanced tumor suppression effect in CD44-overexpressed colon adenocarcinoma. 2019 , 566, 585-593		21
134	Maximizing RNA Loading for Gene Silencing Using Porous Silicon Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22993-23005	9.5	15
133	Dual Delivery of HNF4 α and Cisplatin by Mesoporous Silica Nanoparticles Inhibits Cancer Pluripotency and Tumorigenicity in Hepatoma-Derived CD133-Expressing Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19808-19818	9.5	25
132	Quick synthesis of a novel combinatorial delivery system of siRNA and doxorubicin for a synergistic anticancer effect. 2019 , 14, 3557-3569		11
131	Dual drug loaded PLGA nanospheres for synergistic efficacy in breast cancer therapy. <i>Materials Science and Engineering C</i> , 2019 , 103, 109716	8.3	22

130	Challenges and Recent Progress in Oral Drug Delivery Systems for Biopharmaceuticals. <i>Pharmaceutics</i> , 2019 , 11,	6.4	248
129	Threatening cancer with nanoparticle aided combination oncotherapy. 2019 , 301, 76-109		95
128	Biodegradable hybrid mesoporous silica nanoparticles for gene/chemo-synergetic therapy of breast cancer. 2019 , 33, 1382-1393		15
127	Magnetic thermosensitive micelles with upper critical solution temperature for NIR triggered drug release. <i>Biomaterials Science</i> , 2019 , 7, 2134-2143	7.4	28
126	Molecular mechanism study of surface functionalization of silica nanoparticle as an anticancer drug nanocarrier in aqueous solution. 2019 , 282, 392-400		15
125	Simultaneous delivery of gene and chemotherapeutics via copolymeric micellar nanoparticles to overcome multiple drug resistance to promote synergistic tumor suppression. 2019 , 34, 130-140		3
124	Biopebble Containers: DNA-Directed Surface Assembly of Mesoporous Silica Nanoparticles for Cell Studies. <i>Small</i> , 2019 , 15, e1900083	11	13
123	Nanomaterials-Based siRNA Delivery: Routes of Administration, Hurdles and Role of Nanocarriers. 2019 , 67-114		7
122	Nanotechnology in Modern Animal Biotechnology. 2019 ,		2
121	Nanoparticle-Peptide-Drug Bioconjugates for Unassisted Defeat of Multidrug Resistance in a Model Cancer Cell Line. 2019 , 30, 525-530		13
120	Mesoporous Silica Nanomaterials: Versatile Nanocarriers for Cancer Theranostics and Drug and Gene Delivery. <i>Pharmaceutics</i> , 2019 , 11,	6.4	50
119	Graphene oxide functionalized with chitosan based nanoparticles as a carrier of siRNA in regulating Bcl-2 expression on Saos-2 & MG-63 cancer cells and its inflammatory response on bone marrow derived cells from mice. <i>Materials Science and Engineering C</i> , 2019 , 99, 1459-1468	8.3	16
118	Applications of Fe ₃ O ₄ magnetic-fluorescent nanoparticles in modern biomedical engineering. 2019 , 247-282		
117	Dual-drug delivery based charge-conversional polymeric micelles for enhanced cellular uptake and combination therapy. 2019 , 10, 5879-5893		10
116	Regulation of Ca Signaling for Drug-Resistant Breast Cancer Therapy with Mesoporous Silica Nanocapsule Encapsulated Doxorubicin/siRNA Cocktail. 2019 , 13, 274-283		81
115	Combination of 3-methyladenine therapy and Asn-Gly-Arg (NGR)-modified mesoporous silica nanoparticles loaded with temozolomide for glioma therapy <i>in vitro</i> . 2019 , 509, 549-556		18
114	Characteristics and mechanism associated with drug conjugated inorganic nanoparticles. 2019 , 27, 813-829		5
113	Mesoporous silica nanoparticles for therapeutic/diagnostic applications. 2019 , 109, 1100-1111		181

112	Polyamidoamine dendrimers-based nanomedicine for combination therapy with siRNA and chemotherapeutics to overcome multidrug resistance. 2019 , 136, 18-28		50
111	Versatile Nanocarrier Based on Functionalized Mesoporous Silica Nanoparticles to Codeliver Osteogenic Gene and Drug for Enhanced Osteodifferentiation. 2019 , 5, 710-723		18
110	Stimuli-responsive graphene-incorporated multifunctional chitosan for drug delivery applications: a review. 2019 , 16, 79-99		56
109	pH and thermo dual stimulus-responsive liposome nanoparticles for targeted delivery of platinum-acridine hybrid agent. 2019 , 217, 41-48		9
108	DFT study of SiO ₂ nanoparticles as a drug delivery system: structural and mechanistic aspects. 2019 , 30, 715-726		12
107	Overcoming efflux transporter-mediated resistance in cancer by using nanomedicines. 2020 , 337-369		1
106	Macroporous organosilicon nanocomposites co-deliver Bcl2-converting peptide and chemotherapeutic agent for synergistic treatment against multidrug resistant cancer. 2020 , 469, 340-354		14
105	Synergistic anticancer activity by co-delivered nanosized dual therapeutic agents and siRNA in colon cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 55, 101351	4.5	3
104	Calcium-doped mesoporous silica nanoparticles as a lysosomolytic nanocarrier for amine-free loading and cytosolic delivery of siRNA. 2020 , 81, 71-80		11
103	Environmental Nanotechnology Volume 3. <i>Environmental Chemistry for A Sustainable World</i> , 2020 ,	0.8	1
102	Gene/paclitaxel co-delivering nanocarriers prepared by framework-induced self-assembly for the inhibition of highly drug-resistant tumors. 2020 , 103, 247-258		26
101	Redox-Responsive Multifunctional Polypeptides Conjugated with Au Nanoparticles for Tumor-Targeting Gene Therapy and Their 1 + 1 > 2 Synergistic Effects. 2020 , 6, 463-473		9
100	Development of Mesoporous Silica Nanoparticles of Tunable Pore Diameter for Superior Gemcitabine Drug Delivery in Pancreatic Cancer Cells. 2020 , 20, 3084-3096		18
99	Biomineralization: An Opportunity and Challenge of Nanoparticle Drug Delivery Systems for Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2001117	10.1	12
98	Mesoporous silica nanoparticles for cancer theranostic applications. 2020 , 577-604		1
97	Combination of Nucleic Acid and Mesoporous Silica Nanoparticles: Optimization and Therapeutic Performance In Vitro. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38873-38886	9.5	16
96	Chitosan based pH-responsive polymeric prodrug vector for enhanced tumor targeted co-delivery of doxorubicin and siRNA. <i>Carbohydrate Polymers</i> , 2020 , 250, 116781	10.3	26
95	Boron nitride nanoclusters, nanoparticles and nanotubes as a drug carrier for isoniazid anti-tuberculosis drug, computational chemistry approaches. 2020 , 1-10		11

94	Enhancing Chemotherapy by RNA Interference. 2020 , 1, 64-81		5
93	Nanoparticle-Based Drug Delivery in Cancer Therapy and Its Role in Overcoming Drug Resistance. 2020 , 7, 193		96
92	Preparation and Applications of Organo-Silica Hybrid Mesoporous Silica Nanoparticles for the Co-Delivery of Drugs and Nucleic Acids. 2020 , 10,		6
91	Dual MicroRNA-Triggered Drug Release System for Combined Chemotherapy and Gene Therapy with Logic Operation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32493-32502	9.5	14
90	Stress-localization induced toughening in CNT/silica nanocomposites. 2020 , 127, 154306		1
89	Mesoporous Silica Nanoparticles for Co-Delivery of Drugs and Nucleic Acids in Oncology: A Review. <i>Pharmaceutics</i> , 2020 , 12,	6.4	39
88	Polyphosphazene-Based Drug Self-Framed Delivery System as a Universal Intelligent Platform for Combination Therapy against Multidrug-Resistant Tumors.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2284-2294	4.1	11
87	Nanotechnology approaches in the current therapy of skin cancer. 2020 , 153, 109-136		31
86	Delivery of dual miRNA through CD44-targeted mesoporous silica nanoparticles for enhanced and effective triple-negative breast cancer therapy. <i>Biomaterials Science</i> , 2020 , 8, 2939-2954	7.4	30
85	Biphenyl Wrinkled Mesoporous Silica Nanoparticles for pH-Responsive Doxorubicin Drug Delivery. 2020 , 13,		9
84	15 Years of Small: Research Trends in Nanosafety. <i>Small</i> , 2020 , 16, e2000980	11	20
83	Nanoparticle delivery systems to combat drug resistance in ovarian cancer. 2021 , 31, 102309		10
82	Ultrasound-enhanced fluorescence imaging and chemotherapy of multidrug-resistant tumors using multifunctional dendrimer/carbon dot nanohybrids. 2021 , 6, 729-739		35
81	Multifunctional and stimuli-responsive nanocarriers for targeted therapeutic delivery. 2021 , 18, 205-227		22
80	Targeted Nanotherapeutics for Respiratory Diseases: Cancer, Fibrosis, and Coronavirus. <i>Advanced Therapeutics</i> , 2020 , 4, 2000203	4.9	6
79	Near-infrared-responsive functional nanomaterials: the first domino of combined tumor therapy. <i>Nano Today</i> , 2021 , 36, 100963	17.9	11
78	Hybrid Graphene-Gold Nanoparticle-based Nucleic Acid Conjugates for Cancer-Specific Multimodal Imaging and Combined Therapeutics. <i>Advanced Functional Materials</i> , 2021 , 31, 2006918	15.6	21
77	pH sensitive liposomes assisted specific and improved breast cancer therapy using co-delivery of SIRT1 shRNA and Docetaxel. <i>Materials Science and Engineering C</i> , 2021 , 120, 111664	8.3	10

76	Nanobody-displaying porous silicon nanoparticles for the co-delivery of siRNA and doxorubicin. <i>Biomaterials Science</i> , 2021 , 9, 133-147	7.4	12
75	Nanotherapeutics: Tumor delivery of drugs and genes using nanoparticles for synergistic therapeutic effects in the modern pharmaceutical world for welfare of human. 2021 , 271-296		
74	Nanotechnology as a tool for treating cancerous tumors. <i>Materials Today: Proceedings</i> , 2021 , 43, 3847-3854	8.1	0
73	Nanomedicines for Endometriosis: Lessons Learned from Cancer Research. <i>Small</i> , 2021 , 17, e2004975	11	5
72	Nanomaterials: Versatile Drug Carriers for Nanomedicine. <i>Springer Series in Biomaterials Science and Engineering</i> , 2021 , 253-296	0.6	1
71	Mesoporous silica nanoparticles for drug combination delivery in cancer therapy: background, current insights, and future perspectives. 2021 , 119-162		0
70	Fabrication and Evaluation of Dual Peptides-Modified Liposomes Coencapsulating siRNA and Docetaxel. <i>Biomaterial Engineering</i> , 2021 , 309-323	0.3	
69	Recent advances in co-delivery nanosystems for synergistic action in cancer treatment. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 1208-1237	7.3	11
68	RNAi-based combination therapies. 2021 , 307-335		
67	In Vitro Applications of Nanoparticles. <i>Nanotechnology in the Life Sciences</i> , 2021 , 41-69	1.1	
66	Delivery systems for vorinostat in cancer treatment: An updated review. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 61, 102334	4.5	1
65	Calixarene-Embedded Nanoparticles for Interference-Free Gene-Drug Combination Cancer Therapy. <i>Small</i> , 2021 , 17, e2006223	11	8
64	Nanomedicines for combating multidrug resistance of cancer. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1715	9.2	5
63	Recent Advances in Asialoglycoprotein Receptor and Glycyrrhetic Acid Receptor-Mediated and/or pH-Responsive Hepatocellular Carcinoma- Targeted Drug Delivery. <i>Current Medicinal Chemistry</i> , 2021 , 28, 1508-1534	4.3	4
62	Cloaking mesoporous silica nanoparticles with phenylboronic acid-conjugated human serum albumin-co-polydopamine films for targeted drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 62, 102392	4.5	0
61	Potential Applications of Chitosan-Based Nanomaterials to Surpass the Gastrointestinal Physiological Obstacles and Enhance the Intestinal Drug Absorption. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
60	Advances in cancer theranostics using organic-inorganic hybrid nanotechnology. <i>Applied Materials Today</i> , 2021 , 23, 101003	6.6	11
59	A carboxymethyl lentinan layer by layer self-assembly system as a promising drug chemotherapeutic platform. <i>Carbohydrate Polymers</i> , 2021 , 261, 117847	10.3	6

58	Autophagy Modulation and Synergistic Therapy to Combat Multidrug Resistance Breast Cancer Using Hybrid Cell Membrane Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2021 , 17, 1404-1416	4	0
57	Overcoming Barriers: Clinical Translation of siRNA Nanomedicines. <i>Advanced Therapeutics</i> , 2021 , 4, 21001-108	1.9	2
56	Recent Advances in Mesoporous Silica Nanoparticles for Targeted Drug Delivery applications. <i>Current Drug Delivery</i> , 2021 ,	3.2	4
55	Silicane Derivative Increases Doxorubicin Efficacy in an Ovarian Carcinoma Mouse Model: Fighting Drug Resistance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 31355-31370	9.5	2
54	Therapeutic implications of inorganic nanoparticles for codelivery of bioactives in cancer therapy. 2021 , 163-194		
53	Application of decoy oligodeoxynucleotides strategy for inhibition of cell growth and reduction of metastatic properties in nonresistant and erlotinib-resistant SW480 cell line. <i>Cell Biology International</i> , 2021 , 45, 1001-1014	4.5	2
52	Bio-CaRGOS: capture and release gels for optimized storage of hemoglobin.. <i>RSC Advances</i> , 2021 , 11, 13034-13039	3.7	3
51	Mass Transport via Cellular Barriers and Endocytosis. <i>Fundamental Biomedical Technologies</i> , 2011 , 3-55		3
50	ABC Transporter-Mediated Multidrug-Resistant Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1141, 549-580	3.6	78
49	Rap2b siRNA significantly enhances the anticancer therapeutic efficacy of adriamycin in a gold nanoshell-based drug/gene co-delivery system. <i>Oncotarget</i> , 2017 , 8, 21200-21211	3.3	8
48	Nanoparticle Based Combination Treatments for Targeting Multiple Hallmarks of Cancer. 2016 , Suppl 4, 1-18		3
47	Diverse Targeted Approaches to Battle Multidrug Resistance in Cancer. <i>Current Medicinal Chemistry</i> , 2019 , 26, 7059-7080	4.3	15
46	Engineered Nanoparticles Against MDR in Cancer: The State of the Art and its Prospective. <i>Current Pharmaceutical Design</i> , 2016 , 22, 4360-4373	3.3	39
45	Advances in Nanoparticle-based Delivery of Next Generation Peptide Nucleic Acids. <i>Current Pharmaceutical Design</i> , 2018 , 24, 5164-5174	3.3	12
44	Challenges and Opportunities from Basic Cancer Biology for Nanomedicine for Targeted Drug Delivery. <i>Current Cancer Drug Targets</i> , 2019 , 19, 257-276	2.8	13
43	Inhalation treatment of lung cancer: the influence of composition, size and shape of nanocarriers on their lung accumulation and retention. <i>Cancer Biology and Medicine</i> , 2014 , 11, 44-55	5.2	75
42	Nanotherapeutics in Multidrug Resistance. 2013 , 389-412		
41	Research Background. <i>Springer Theses</i> , 2016 , 1-30	0.1	

40	Photo-responsive Nanovehicle for Two Independent Wavelength-Triggered Sequential Release of P-gp shRNA and Doxorubicin to Optimize Synergistic Therapy of Multidrug-resistant Cancer Cells. 2017 ,		
39	Chapter 8: In vivo Tumor Suppression Efficacy of Mesoporous Silica Nanoparticle-Based Drug Delivery System: Enhanced Efficacy by Folate Modification. 2017 , 215-234		
38	Nanocarriers as Non-Viral Vectors in Gene Delivery Application. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2018 , 357-380	0.3	
37	Inhibitory Effects of Silica Nanoparticles Loaded with Hematoporphyrin on Breast Cancer Cell Line. <i>Middle East Journal of Rehabilitation and Health Studies</i> , 2018 , 5,	1.4	1
36	PROSPECTS OF INNOVATIVE NANOCOMPOSITE CREATION WITH SORBTIVE AND ANTIMICROBIAL PROPERTIES. <i>Bulletin of Problems Biology and Medicine</i> , 2019 , 1, 37	0.1	
35	Therapeutic Use of Inorganic Nanomaterials in Malignant Diseases. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 47-87	0.8	
34	P-Glycoprotein Efflux Transporters and Its Resistance Its Inhibitors and Therapeutic Aspects.		1
33	The Anti-Inflammation and Anti-Nociception Effect of Ketoprofen in Rats Could Be Strengthened Through Co-Delivery of a HS Donor, S-Propargyl-Cysteine. <i>Journal of Inflammation Research</i> , 2021 , 14, 5863-5875	4.8	1
32	Genotoxicity of different nanocarriers: possible modifications for the delivery of nucleic acids. <i>Current Drug Discovery Technologies</i> , 2013 , 10, 8-15	1.5	49
31	Relating Mobility of dsRNA in Nanoporous Silica Particles to Loading and Release Behavior.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 8267-8276	4.1	
30	Cationic vs. non-cationic polymeric vectors for nucleic acid delivery. 2021 ,		
29	Pulmonary Co-delivery of DOX and siRNA. <i>Biomaterial Engineering</i> , 2021 , 1-14	0.3	
28	Nanotechnological Approaches for Efficient Delivery of Plant Ingredients. <i>Sustainable Agriculture Reviews</i> , 2021 , 247-286	1.3	1
27	Co-delivery of Chemotherapeutic Drugs and Immune Adjuvants by Nanoscale DNA Tetrahedrons for Synergistic Cancer Therapy. <i>ACS Applied Nano Materials</i> , 2022 , 5, 101-106	5.6	3
26	Rationally Driven Drug Nonradiative Decay via a Label-Free Polyprodrug Strategy to Renew Tumor Cascade Photothermal-Chemotherapy.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100918	4.8	0
25	siRNA[nano]hybrid systems: false hope or feasible answer in cancer management.. <i>Therapeutic Delivery</i> , 2022 , 13, 109-133	3.8	2
24	Co-delivery of STAT3 siRNA and methotrexate in breast cancer cells.. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2022 , 50, 29-39	6.1	1
23	Molecular mechanisms of platinum-based chemotherapy resistance in ovarian cancer (Review).. <i>Oncology Reports</i> , 2022 , 47,	3.5	2

22	Redox-responsive mesoporous silica nanoparticles for chemo- photodynamic combination cancer therapy. <i>Materials Research Express</i> ,	1.7	0
21	Novel Organic and Inorganic Nanoparticles as a Targeted Drug Delivery Vehicle in Cancer Treatment. <i>Nanotechnology in the Life Sciences</i> , 2022 , 117-161	1.1	0
20	New paradigm in combination therapy of siRNA with chemotherapeutic drugs for effective cancer therapy.. <i>Current Research in Pharmacology and Drug Discovery</i> , 2022 , 3, 100103	3	1
19	Pulmonary Co-delivery of DOX and siRNA. <i>Biomaterial Engineering</i> , 2022 , 61-73	0.3	
18	Near-Infrared-Enabled Nanomotor-Mediated Targeted Chemotherapy and Mitochondrial Phototherapy to Boost Systematic Anti-Tumor Immunity.. <i>Advanced Healthcare Materials</i> , 2022 , e2200255	10.1	4
17	Doxorubicin-conjugated siRNA lipid nanoparticles for combination cancer therapy. <i>Acta Pharmaceutica Sinica B</i> , 2022 ,	15.5	0
16	Novel Drug and Gene Delivery System and Imaging Agent Based on Marine Diatom Biosilica Nanoparticles. 2022 , 20, 480		2
15	Nanoparticles design considerations to co-deliver nucleic acids and anti-cancer drugs for chemoresistance reversal. 2022 , 4, 100126		0
14	Advances in nanobiotechnology-propelled multidrug resistance circumvention of cancer. 2022 , 14, 12984-12998		2
13	Emerging nanotechnology-based therapeutics to combat multidrug-resistant cancer. 2022 , 20,		2
12	Astaxanthin Activated the Nrf2/HO-1 Pathway to Enhance Autophagy and Inhibit Ferroptosis, Ameliorating Acetaminophen-Induced Liver Injury. 2022 , 14, 42887-42903		1
11	Multifunctional nanocarriers for delivering siRNA and miRNA in glioblastoma therapy: advances in nanobiotechnology-based cancer therapy. 2022 , 12,		0
10	Cancer Nanotechnology. 1-9		0
9	Upconversion nanoparticle-based optogenetic nanosystem for photodynamic therapy and cascade gene therapy. 2022 ,		0
8	Nanotechnology-Based RNA Vaccines: Fundamentals, Advantages and Challenges. 2023 , 15, 194		0
7	Nucleolin aptamer conjugated MSNPs-PLR-PEG multifunctional nanoconstructs for targeted co-delivery of anticancer drug and siRNA to counter drug resistance in TNBC. 2023 , 229, 600-614		0
6	Study on co-delivery of pemetrexed disodium and Bcl-2 siRNA by poly- γ -glutamic acid-modified cationic liposomes for the inhibition of NSCLC. 2023 , 49, 62-74		0
5	Polyethylenimine-Conjugated Hydroxyethyl Cellulose for Doxorubicin/Bcl-2 siRNA Co-Delivery Systems. 2023 , 15, 708		0

- 4 Inorganic-based nanotheranostics: current status and challenges. **2023**, 1-41 ○
- 3 Delivery of siRNA using hyaluronic acid-guided nanoparticles for downregulation of CXCR4. **2023**, 114, ○
- 2 Controlled and Targeted Drug Delivery Using Smart Nanovectors. 84-90 ○
- 1 Nanoparticle-Based Combination Therapy for Ovarian Cancer. Volume 18, 1965-1987 ○