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Size effect on cell uptake in well-suspended, uniform mesoporous silica nanoparticles

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833	Shaping nano-/micro-particles for enhanced vascular interaction in laminar flows. 2009 , 20, 495101		188
832	Dialysis process for the removal of surfactants to form colloidal mesoporous silica nanoparticles. 2009 , 5094-6		98
831	Impacts of mesoporous silica nanoparticle size, pore ordering, and pore integrity on hemolytic activity. 2010 , 132, 4834-42		612
830	Effects of particle size and surface charge on cellular uptake and biodistribution of polymeric nanoparticles. 2010 , 31, 3657-66		1724
829	The influence of size and charge of chitosan/polyglutamic acid hollow spheres on cellular internalization, viability and blood compatibility. 2010 , 31, 8188-97		128
828	Endothelial cells dysfunction induced by silica nanoparticles through oxidative stress via JNK/P53 and NF-kappaB pathways. 2010 , 31, 8198-209		217
827	Synthesis of high surface area mesoporous bioactive glass nanospheres. 2010 , 64, 1850-1853		50
826	Intracellular pH-Responsive Mesoporous Silica Nanoparticles for the Controlled Release of Anticancer Chemotherapeutics. 2010 , 122, 8390-8395		80
825	A Low-Concentration Hydrothermal Synthesis of Biocompatible Ordered Mesoporous Carbon Nanospheres with Tunable and Uniform Size. 2010 , 122, 8159-8163		81
824	Intracellular pH-responsive mesoporous silica nanoparticles for the controlled release of anticancer chemotherapeutics. 2010 , 49, 8214-9		290
823	A low-concentration hydrothermal synthesis of biocompatible ordered mesoporous carbon nanospheres with tunable and uniform size. 2010 , 49, 7987-91		543
822	Synthesis of colloidal silica nanoparticles of a tunable mesopore size and their application to the adsorption of biomolecules. 2010 , 349, 173-80		44
821	An anticancer drug delivery system based on surfactant-templated mesoporous silica nanoparticles. 2010 , 31, 3335-46		181
820	The nanosilica hazard: another variable entity. 2010 , 7, 39		526
819	Rattle-type Fe(3)O(4)@SiO(2) hollow mesoporous spheres as carriers for drug delivery. <i>Small</i> , 2010 , 6, 471-8	11	339
818	The effects of size, shape, and surface functional group of gold nanostructures on their adsorption and internalization by cells. <i>Small</i> , 2010 , 6, 517-22	11	263

817	Ultrasmall, well-dispersed, hollow siliceous spheres with enhanced endocytosis properties. <i>Small</i> , 2010 , 6, 276-82	11	87
816	Mesoporous silica nanoparticles for intracellular controlled drug delivery. <i>Small</i> , 2010 , 6, 1952-67	11	820
815	Differential uptake of carbon nanoparticles by plant and Mammalian cells. <i>Small</i> , 2010 , 6, 612-7	11	171
814	Pp IX silica nanoparticles demonstrate differential interactions with in vitro tumor cell lines and in vivo mouse models of human cancers. 2010 , 86, 213-22		35
813	Optical properties of fluorescein-labeled organoclay. 2010 , 86, 520-7		33
812	Adsorption of hematite nanoparticles onto Caco-2 cells and the cellular impairments: effect of particle size. 2010 , 21, 355103		41
811	Gold nanoparticles delivery in mammalian live cells: a critical review. 2010 , 1,		155
810	Effects of nanoparticle size on cellular uptake and liver MRI with polyvinylpyrrolidone-coated iron oxide nanoparticles. 2010 , 4, 7151-60		373
809	Functional assessment of metal oxide nanoparticle toxicity in immune cells. 2010 , 4, 3363-73		142
808	An unusual example of morphology controlled periodic mesoporous organosilica single crystals. 2010 , 20, 6460		20
807	Towards multifunctional, targeted drug delivery systems using mesoporous silica nanoparticles--opportunities & challenges. 2010 , 2, 1870-83		442
806	Surface Modification/Complexation Strategy for Cisplatin Loading in Mesoporous Nanoparticles. 2010 , 1, 3446-3450		64
805	Capped mesoporous silica nanoparticles as stimuli-responsive controlled release systems for intracellular drug/gene delivery. 2010 , 7, 1013-29		139
804	Folate-Conjugated Fe ₃ O ₄ @SiO ₂ Hollow Mesoporous Spheres for Targeted Anticancer Drug Delivery. 2010 , 114, 16382-16388		206
803	Mesoporous silica nanoparticles: structural design and applications. 2010 , 20, 7924		327
802	Cellular permeation with nuclear infiltration capability of biomimetically synthesised fluorescent monodisperse mesoporous silica nanospheres in HeLa and human stem cells. 2010 , 20, 8563		10
801	Cancer-cell targeting and cell-specific delivery by mesoporous silica nanoparticles. 2010 , 20, 2707		86
800	Hollow chitosan-silica nanospheres for doxorubicin delivery to cancer cells with enhanced antitumor effect in vivo. 2011 , 21, 3147		24

799	Silica nanoparticles functionalized with porphyrins and analogs for biomedical studies. 2011 , 15, 517-533	49
798	Measurement of Uptake and Release Capacities of Mesoporous Silica Nanoparticles Enabled by Nanovalve Gates. 2011 , 115, 19496-19506	51
797	Multifunctional hollow mesoporous silica nanocages for cancer cell detection and the combined chemotherapy and photodynamic therapy. 2011 , 3, 2479-86	108
796	Impact of silica nanoparticle design on cellular toxicity and hemolytic activity. 2011 , 5, 5717-28	489
795	Interaction of mesoporous silica nanoparticles with human red blood cell membranes: size and surface effects. 2011 , 5, 1366-75	422
794	Highly aminated mesoporous silica nanoparticles with cubic pore structure. 2011 , 133, 172-5	105
793	Mesoporous silica nanoparticles as nanocarriers. 2011 , 47, 9972-85	277
792	LRET-based biodetection of DNA release in live cells using surface-modified upconverting fluorescent nanoparticles. 2011 , 27, 2854-60	57
791	Stability of small mesoporous silica nanoparticles in biological media. 2011 , 47, 532-4	144
790	A biophysical perspective of understanding nanoparticles at large. 2011 , 13, 7273-83	47
789	Double mesoporous silica shelled spherical/ellipsoidal nanostructures: Synthesis and hydrophilic/hydrophobic anticancer drug delivery. 2011 , 21, 5290	116
788	Hydrophilic mesoporous carbon nanoparticles as carriers for sustained release of hydrophobic anti-cancer drugs. 2011 , 47, 2101-3	106
787	Size effects on adsorption of hematite nanoparticles on E. coli cells. 2011 , 45, 2172-8	78
786	Controlling Particle Size and Structural Properties of Mesoporous Silica Nanoparticles Using the Taguchi Method. 2011 , 115, 13158-13165	134
785	Toxicology of engineered nanomaterials: focus on biocompatibility, biodistribution and biodegradation. 2011 , 1810, 361-73	359
784	Gold nanoparticles induce autophagosome accumulation through size-dependent nanoparticle uptake and lysosome impairment. 2011 , 5, 8629-39	450
783	Silica materials in drug delivery applications. 2011 , 8, 269-76	67
782	Surface-modified silica nanoparticles for tumor-targeted delivery of camptothecin and its biological evaluation. 2011 , 156, 246-57	85

781	The comparative effects of mesoporous silica nanoparticles and colloidal silica on inflammation and apoptosis. 2011 , 32, 9434-43	139
780	Enzyme-responsive multifunctional magnetic nanoparticles for tumor intracellular drug delivery and imaging. 2011 , 6, 1381-9	66
779	Small mesoporous silica nanoparticles as carriers for enhanced photodynamic therapy. 2011 , 6, 2332-8	22
778	Mesoporous silica nanoparticle based nano drug delivery systems: synthesis, controlled drug release and delivery, pharmacokinetics and biocompatibility. 2011 , 21, 5845	573
777	Toxicity of amorphous silica nanoparticles on eukaryotic cell model is determined by particle agglomeration and serum protein adsorption effects. 2011 , 400, 1367-73	88
776	Facile preparation of highly-dispersed cobalt-silicon mixed oxide nanosphere and its catalytic application in cyclohexane selective oxidation. 2011 , 6, 586	50
775	A general synthetic approach for obtaining cationic and anionic inorganic nanoparticles via encapsulation in amphiphilic copolymers. <i>Small</i> , 2011 , 7, 2929-34	11 41
774	Quantitative assessment of the comparative nanoparticle-uptake efficiency of a range of cell lines. <i>Small</i> , 2011 , 7, 3341-9	11 186
773	Nanoparticles Containing Rare Earth Ions: A Tunable Tool for MRI. 2011 , 333-374	1
772	PEGylated hollow mesoporous silica nanoparticles as potential drug delivery vehicles. 2011 , 141, 199-206	71
771	Fluorescent hollow/rattle-type mesoporous Au@SiO ₂ nanocapsules for drug delivery and fluorescence imaging of cancer cells. 2011 , 358, 109-15	66
770	Synthesis and characterization of pore size-tunable magnetic mesoporous silica nanoparticles. 2011 , 361, 16-24	134
769	Ultrafine PEG-coated poly(lactic-co-glycolic acid) nanoparticles formulated by hydrophobic surfactant-assisted one-pot synthesis for biomedical applications. 2011 , 22, 185601	24
768	A strategy to assemble nanoparticles with polymers for mitigating cytotoxicity and enabling size tuning. 2011 , 6, 767-75	11
767	Multifunctional mesoporous silica nanoparticles for combined therapeutic, diagnostic and targeted action in cancer treatment. 2011 , 12, 1166-86	122
766	Silica-Based Nanoparticles for Intracellular Drug Delivery. 2011 , 333-361	1
765	Nanostructured porous Si-based nanoparticles for targeted drug delivery. 2012 , 2, 296-312	94
764	SiO ₂ nanoparticles biocompatibility and their potential for gene delivery and silencing. 2012 , 4, 486-95	116

763	Nanoparticle size and surface chemistry determine serum protein adsorption and macrophage uptake. 2012 , 134, 2139-47	1322
762	Revisiting bioceramics: Bone regenerative and local drug delivery systems. 2012 , 40, 17-30	60
761	Recent advances in the rational design of silica-based nanoparticles for gene therapy. 2012 , 3, 1217-1237	31
760	Development of mesoporous silica nanomaterials as a vehicle for anticancer drug delivery. 2012 , 3, 389-404	53
759	Biocompatibility of mesoporous silica nanoparticles. 2012 , 25, 2265-84	282
758	Surface charge effect in intracellular localization of mesoporous silica nanoparticles as probed by fluorescent ratiometric pH imaging. 2012 , 2, 968-973	55
757	Thermally stable polymer composites with improved transparency by using colloidal mesoporous silica nanoparticles as inorganic fillers. 2012 , 14, 7427-32	43
756	Hollow spherical mesoporous phosphosilicate nanoparticles as a delivery vehicle for an antibiotic drug. 2012 , 48, 2891-3	58
755	Cosynthesis of cargo-loaded hydroxyapatite/alginate core-shell nanoparticles (HAP@Alg) as pH-responsive nanovehicles by a pre-gel method. 2012 , 4, 6720-7	91
754	Mesoporous silica nanoparticles functionalized with a thymidine derivative for controlled release. 2012 , 22, 9455	19
753	Magnetically Triggered Multidrug Release by Hybrid Mesoporous Silica Nanoparticles. 2012 , 24, 517-524	285
752	Role of physicochemical characteristics in the uptake of TiO ₂ nanoparticles by fibroblasts. 2012 , 26, 469-79	49
751	Targeted doxorubicin delivery to liver cancer cells by PEGylated mesoporous silica nanoparticles with a pH-dependent release profile. 2012 , 161, 160-167	52
750	The shape effect of PEGylated mesoporous silica nanoparticles on cellular uptake pathway in Hela cells. 2012 , 162, 14-23	104
749	Biphasic synthesis of colloidal mesoporous silica nanoparticles using primary amine catalysts. 2012 , 385, 41-7	25
748	Catalytic selective etherification of hydroxyl groups in 5-hydroxymethylfurfural over H ₄ SiW ₁₂ O ₄₀ /MCM-41 nanospheres for liquid fuel production. 2012 , 119, 433-6	103
747	Magnetoresistive-based real-time cell phagocytosis monitoring. 2012 , 36, 116-22	16
746	Pd nanosheet-covered hollow mesoporous silica nanoparticles as a platform for the chemo-photothermal treatment of cancer cells. <i>Small</i> , 2012 , 8, 3816-22	11 181

745	Synthesis of hetero-polymer functionalized nanocarriers by combining surface-initiated ATRP and RAFT polymerization. <i>Small</i> , 2012 , 8, 3579-83	11	39
744	Functionalized self-assembled monolayers on mesoporous silica nanoparticles with high surface coverage. 2012 , 7, 334		20
743	Synthesis and Formation Mechanism of Aminated Mesoporous Silica Nanoparticles. 2012 , 24, 3895-3905		52
742	The role of surface charge in cellular uptake and cytotoxicity of medical nanoparticles. 2012 , 7, 5577-91		1477
741	Nanotechnology in therapeutics: a focus on nanoparticles as a drug delivery system. 2012 , 7, 1253-71		387
740	Size-dependent absorption mechanism of polymeric nanoparticles for oral delivery of protein drugs. 2012 , 33, 8569-78		158
739	Surface modification of paclitaxel-loaded polymeric nanoparticles: Evaluation of in vitro cellular behavior and in vivo pharmacokinetic. 2012 , 53, 5078-5086		12
738	Nuclear-targeted drug delivery of TAT peptide-conjugated monodisperse mesoporous silica nanoparticles. 2012 , 134, 5722-5		788
737	Improved anti-proliferative effect of doxorubicin-containing polymer nanoparticles upon surface modification with cationic groups. 2012 , 22, 25463-25470		12
736	Mesoporous Silica Nanoparticles with Co-Condensed Gadolinium Chelates for Multimodal Imaging. 2012 , 2, 1-14		28
735	Electrochemistry and biosensing activity of cytochrome c immobilized on a mesoporous interface assembled from carbon nanospheres. 2012 , 178, 277-283		13
734	Ligand exchange triggered controlled-release targeted drug delivery system based on core-shell superparamagnetic mesoporous microspheres capped with nanoparticles. 2012 , 22, 17677		27
733	Ultrasmall sub-10 nm near-infrared fluorescent mesoporous silica nanoparticles. 2012 , 134, 13180-3		166
732	Highly ordered periodic mesoporous organosilica nanoparticles with controllable pore structures. 2012 , 4, 6588-96		77
731	Critical Considerations in the Biomedical Use of Mesoporous Silica Nanoparticles. 2012 , 3, 364-74		152
730	A physical model for the size-dependent cellular uptake of nanoparticles modified with cationic surfactants. 2012 , 7, 3547-54		80
729	Small-sized carbon nanohorns enabling cellular uptake control. <i>Small</i> , 2012 , 8, 2524-31	11	38
728	Controlling physical features of mesoporous silica nanoparticles (MSNs) for emerging applications. 2012 , 22, 1251-1256		175

727	Dual functional selenium-substituted hydroxyapatite. 2012 , 2, 378-86	69
726	The effect of nanoparticle size, shape, and surface chemistry on biological systems. 2012 , 14, 1-16	2538
725	Preparation of Colloidal Mesoporous Silica Nanoparticles with Different Diameters and Their Unique Degradation Behavior in Static Aqueous Systems. 2012 , 24, 1462-1471	221
724	Functional silica nanoparticles for redox-triggered drug/ssDNA co-delivery. 2012 , 1, 690-7	64
723	Multifunctional core-shell upconverting nanoparticles for imaging and photodynamic therapy of liver cancer cells. 2012 , 7, 830-7	121
722	Magnetic nanoparticles: an update of application for drug delivery and possible toxic effects. 2012 , 86, 685-700	131
721	Effect of size on the cellular endocytosis and controlled release of mesoporous silica nanoparticles for intracellular delivery. 2012 , 14, 259-70	59
720	Transport routes of metalloids into and out of the cell: a review of the current knowledge. 2012 , 197, 47-57	68
719	Mesoporous silica nanoparticles for the improved anticancer efficacy of cis-platin. 2012 , 429, 138-47	61
718	A simple approach to prepare monodisperse mesoporous silica nanospheres with adjustable sizes. 2012 , 376, 67-75	59
717	General one-pot strategy to prepare multifunctional nanocomposites with hydrophilic colloidal nanoparticles core/mesoporous silica shell structure. 2012 , 377, 64-75	28
716	Magnetic silica spheres with large nanopores for nucleic acid adsorption and cellular uptake. 2012 , 33, 970-8	71
715	Long-term fate of silica nanoparticles interacting with human dermal fibroblasts. 2012 , 33, 4431-42	53
714	The manipulation of natural killer cells to target tumor sites using magnetic nanoparticles. 2012 , 33, 5584-92	54
713	Magnetic mesoporous silica nanospheres as DNA/drug carrier. 2012 , 67, 379-382	56
712	Transition metal-chelating surfactant micelle templates for facile synthesis of mesoporous silica nanoparticles. 2012 , 185, 89-94	13
711	One-pot hydrothermal synthesis of mesoporous silica nanoparticles using formaldehyde as growth suppressant. 2012 , 152, 9-15	18
710	Nanoparticle augmented radiation treatment decreases cancer cell proliferation. 2012 , 8, 526-36	30

709	The toxicological mode of action and the safety of synthetic amorphous silica-a nanostructured material. 2012 , 294, 61-79	316
708	Mesoporous silica nanoparticles: synthesis, biocompatibility and drug delivery. 2012 , 24, 1504-34	1945
707	Preparation of aqueous colloidal mesostructured and mesoporous silica nanoparticles with controlled particle size in a very wide range from 20 nm to 700 nm. 2013 , 5, 6145-53	59
706	Trivalent galactosyl-functionalized mesoporous silica nanoparticles as a target-specific delivery system for boron neutron capture therapy. 2013 , 5, 9412-8	32
705	Cardiovascular toxicity evaluation of silica nanoparticles in endothelial cells and zebrafish model. 2013 , 34, 5853-62	154
704	Impact of mesoporous silica nanoparticle surface functionality on hemolytic activity, thrombogenicity and non-specific protein adsorption. 2013 , 1, 1909-1920	126
703	Engineered chemoswitchable mesoporous silica for tumor-specific cytotoxicity. 2013 , 1, 3494-3505	25
702	Size distribution effects of cadmium tellurium quantum dots (CdS/CdTe) immunotoxicity on aquatic organisms. 2013 , 15, 596-607	27
701	Silica composite nanoparticles containing fluorescent solid core and mesoporous shell with different thickness as drug carrier. 2013 , 410, 94-101	18
700	Hybrid nanoparticles for drug delivery and bioimaging: mesoporous silica nanoparticles functionalized with carboxyl groups and a near-infrared fluorescent dye. 2013 , 395, 306-14	72
699	Re-considering how particle size and other properties of antigen-adjuvant complexes impact on the immune responses. 2013 , 395, 1-10	32
698	The internalization of fluorescence-labeled PLA nanoparticles by macrophages. 2013 , 453, 506-13	17
697	Non-viral gene delivery strategies for gene therapy: a challenge among nucleic acids, materials, and the biological environment. 2013 , 15, 1	38
696	FRET imaging reveals different cellular entry routes of self-assembled and disulfide bonded polymeric micelles. 2013 , 10, 3497-506	42
695	A broad range fluorescent pH sensor based on hollow mesoporous silica nanoparticles, utilising the surface curvature effect. 2013 , 1, 5557-5563	38
694	Photoinduced luminescent carbon nanostructures with ultra-broadly tailored size ranges. 2013 , 5, 12092-7	19
693	A new strategy for intracellular delivery of enzyme using mesoporous silica nanoparticles: superoxide dismutase. 2013 , 135, 1516-23	123
692	Nonviral cell labeling and differentiation agent for induced pluripotent stem cells based on mesoporous silica nanoparticles. 2013 , 7, 8423-40	69

691	Fluorescent dextran-based nanogels: efficient imaging nanoprobe for adipose-derived stem cells. 2013 , 4, 4103	27
690	NIR light controlled photorelease of siRNA and its targeted intracellular delivery based on upconversion nanoparticles. 2013 , 5, 231-8	187
689	Graphene oxide wrapped gold nanoparticles for intracellular Raman imaging and drug delivery. 2013 , 1, 6495-6500	120
688	Protection of HeLa cells against ROS stress by CuZnSOD mimic system. 2013 , 1, 6042-6052	9
687	A simple plant gene delivery system using mesoporous silica nanoparticles as carriers. 2013 , 1, 5279-5287	95
686	One-pot synthesis of mesoporous silica nanocarriers with tunable particle sizes and pendent carboxylic groups for cisplatin delivery. 2013 , 29, 403-10	39
685	Synthesis of mesoporous silica nanoparticles. 2013 , 42, 3862-75	976
684	Pore-expanded mesoporous silica nanoparticles with alkanes/ethanol as pore expanding agent. 2013 , 169, 7-15	71
683	Enhanced non-endocytotic uptake of mesoporous silica nanoparticles by shortening the peptide transporter arginine side chain. 2013 , 5, 12244-8	18
682	Improved triclosan delivery by a novel silica-based nanocomposite. 2013 , 2, 607-19	1
681	Intracellular delivery of polymeric nanocarriers: a matter of size, shape, charge, elasticity and surface composition. 2013 , 4, 705-23	44
680	Size-dependent cellular uptake efficiency, mechanism, and cytotoxicity of silica nanoparticles toward HeLa cells. 2013 , 107, 408-15	123
679	Monodisperse mesoporous silica nanospheres with radially oriented mesochannels and their size effect on cell uptake. 2013 , 181, 248-253	5
678	Insights into biogenic and chemical production of inorganic nanomaterials and nanostructures. 2013 , 189-190, 1-20	141
677	Controlling Growth of Ultrasmall Sub-10 nm Fluorescent Mesoporous Silica Nanoparticles. 2013 , 25, 677-691	70
676	Big signals from small particles: regulation of cell signaling pathways by nanoparticles. 2013 , 113, 3391-406	126
675	A multifunctional biphasic suspension of mesoporous silica encapsulated with YVO ₄ :Eu ³⁺ and Fe ₃ O ₄ nanoparticles: synergistic effect towards cancer therapy and imaging. 2013 , 24, 065101	41
674	Precipitation polymerization for fabrication of complex core-shell hybrid particles and hollow structures. 2013 , 42, 3628-46	233

673	Monodisperse spherical mesoporous silica particles: fast synthesis procedure and fabrication of photonic-crystal films. 2013 , 24, 155601	61
672	Amphiphilic Molecules in Drug Delivery Systems. 2013 , 35-85	11
671	Tuning core-shell SiO@CdTe@SiO fluorescent nanoparticles for cell labeling. 2013 , 1, 2315-2323	24
670	A multifunctional mesoporous silica nanocomposite for targeted delivery, controlled release of doxorubicin and bioimaging. 2013 , 110, 138-47	99
669	A fast analysis method to quantify nanoparticle uptake on a single cell level. 2013 , 8, 1815-28	48
668	Nanoceria-triggered synergetic drug release based on CeO(2) -capped mesoporous silica host-guest interactions and switchable enzymatic activity and cellular effects of CeO(2). 2013 , 2, 1591-9	145
667	Immobilized Ru Clusters in Nanosized Mesoporous Zirconium Silica for the Aqueous Hydrogenation of Furan Derivatives at Room Temperature. 2013 , 5, 2822-2826	72
666	Physicochemical characteristics of nanoparticles affect circulation, biodistribution, cellular internalization, and trafficking. <i>Small</i> , 2013 , 9, 1521-32	11 514
665	Pharmacokinetics, tissue distribution and relative bioavailability of isoniazid-solid lipid nanoparticles. 2013 , 441, 202-12	114
664	Sub-150 nm mesoporous silica nanoparticles with tunable pore sizes and well-ordered mesostructure for protein encapsulation. 2013 , 407, 236-42	51
663	Size- and pathotropism-driven targeting and washout-resistant effects of boronic acid-rich protein nanoparticles for liver cancer regression. 2013 , 168, 1-9	39
662	Mesoporous silica nanoparticles as antigen carriers and adjuvants for vaccine delivery. 2013 , 5, 5167-79	161
661	Mesoporous silica nanoparticles for the design of smart delivery nanodevices. 2013 , 1, 114-134	199
660	Theranostic applications of mesoporous silica nanoparticles and their organic/inorganic hybrids. 2013 , 1, 3128-3135	63
659	Antiferromagnetic iron nanocolloids: a new generation in vivo T1 MRI contrast agent. 2013 , 135, 18621-8	52
658	Pectin nanoparticle enhances cytotoxicity of methotrexate against HepG2 cells. 2013 , 20, 1-9	52
657	Superior penetration and retention behavior of 50 nm gold nanoparticles in tumors. 2013 , 73, 319-30	247
656	Reciprocal Response of Human Oral Epithelial Cells to Internalized Silica Nanoparticles. 2013 , 30, 784-793	29

655	[Effect of nanocarbon sizes on the cellular uptake]. 2013 , 133, 151-6	3
654	Simple Observation of the Interaction between Nanoparticles and Cells by Scanning Electron Microscopy Employing Ionic Liquid. 2013 , 86, 153-158	7
653	Silica-based mesoporous nanoparticles for controlled drug delivery. 2013 , 4, 2041731413503357	205
652	Engineered nanomaterial uptake and tissue distribution: from cell to organism. 2013 , 8, 3255-69	120
651	Characterization, pharmacokinetics, and hypoglycemic effect of berberine loaded solid lipid nanoparticles. 2013 , 8, 4677-87	77
650	Toxicity evaluation following intratracheal instillation of iron oxide in a silica matrix in rats. 2014 , 2014, 134260	11
649	Precise quantification of silica and ceria nanoparticle uptake revealed by 3D fluorescence microscopy. 2014 , 5, 1616-24	15
648	Advances in nanomedicine for head and neck cancer. 2014 , 19, 783-8	6
647	Lipids as Biological Materials for Nanoparticulate Delivery. 2014 , 409-455	1
646	Surface association and uptake of poly(lactic-co-glycolic) acid nanoparticles by <i>Aspergillus flavus</i> . 2014 , 5, 1179-90	2
645	Intracellular Microenvironment-Responsive Dendrimer-Like Mesoporous Nanohybrids for Traceable, Effective, and Safe Gene Delivery. 2014 , 24, 7627-7637	53
644	Cell-based in vitro blood-brain barrier model can rapidly evaluate nanoparticles' brain permeability in association with particle size and surface modification. 2014 , 15, 1812-25	104
643	Synthesis and Physicochemical Characterization of Mesoporous SiO ₂ Nanoparticles. 2014 , 2014, 1-12	16
642	Synthesis of silica vesicles with controlled entrance size for high loading, sustained release, and cellular delivery of therapeutical proteins. <i>Small</i> , 2014 , 10, 5068-76	11 36
641	Silica-based Ceramics: Mesoporous Silica. 2014 , 109-151	3
640	Combination of magnetic field and surface functionalization for reaching synergistic effects in cellular labeling by magnetic core-shell nanospheres. 2014 , 2, 1750-1760	14
639	Nonhomogeneous Silica Promotes the Biologically Induced Delivery of Metal Ions from Silica-Coated Magnetic Nanoparticles. 2014 , 118, 28266-28273	4
638	Correlation of polymeric micelle sizes and their cellular internalization in vitro and tumor targeting in vivo. 2014 , 4, 62708-62716	16

637	Quantitative evaluation and visualization of size effect on cellular uptake of gold nanoparticles by multiphoton imaging-UV/Vis spectroscopic analysis. 2014 , 19, 101505	16
636	The Significance of Nanoparticles in Medicine and Their Potential Application in Asthma. 2014 , 247-275	1
635	Synthesis of hollow organosiliceous spheres for volatile organic compound removal. 2014 , 2, 19298-19307	42
634	Recent development of silica nanoparticles as delivery vectors for cancer imaging and therapy. 2014 , 10, 297-312	116
633	Engineered nanoparticles interacting with cells: size matters. 2014 , 12, 5	823
632	Facile Synthesis of Single-Phase Mesoporous Gd ₂ O ₃ :Eu Nanorods and Their Application for Drug Delivery and Multimodal Imaging. 2014 , 31, 675-684	28
631	In situ Characterization of SiO ₂ Nanoparticle Biointeractions Using BrightSilica. 2014 , 24, 3765-3775	47
630	Nanotherapeutics--product development along the "nanomaterial" discussion. 2014 , 103, 777-84	29
629	Cellular internalization of doxorubicin loaded star-shaped micelles with hydrophilic zwitterionic sulfobetaine segments. 2014 , 35, 4517-24	56
628	Hollow mesoporous silica nanoparticles with tunable shell thickness and pore size distribution for application as broad-ranging pH nanosensor. 2014 , 190, 181-188	28
627	Hybrid Enzyme-Polymeric Capsules/Mesoporous Silica Nanodevice for In Situ Cytotoxic Agent Generation. 2014 , 24, 4625-4633	42
626	MSN anti-cancer nanomedicines: chemotherapy enhancement, overcoming of drug resistance, and metastasis inhibition. 2014 , 26, 391-411	363
625	Biotechnological approaches toward nanoparticle biofunctionalization. 2014 , 32, 11-20	94
624	Nanoparticles Interacting with Proteins and Cells: A Systematic Study of Protein Surface Charge Effects. 2014 , 1, 1300079	56
623	Interactions at the silica-peptide interface: the influence of particle size and surface functionality. 2014 , 30, 227-33	43
622	Nanoprecipitation and the "Ouzo effect": Application to drug delivery devices. 2014 , 71, 86-97	236
621	Computer simulation studies on the interactions between nanoparticles and cell membrane. 2014 , 57, 1662-1671	13
620	PEGylated mesoporous silica as a redox-responsive drug delivery system for loading thiol-containing drugs. 2014 , 477, 613-22	45

619	Synthesis of SBA-15 rods with small sizes for enhanced cellular uptake. 2014 , 2, 4929-4934	21
618	PCR quantification of SiO ₂ particle uptake in cells in the ppb and ppm range via silica encapsulated DNA barcodes. 2014 , 50, 10707-9	4
617	Tunable sound absorption of silicone rubber materials via mesoporous silica. 2014 , 4, 15171-15179	16
616	Size control and biological properties of monodispersed mesoporous bioactive glass sub-micron spheres. 2014 , 4, 22678-22687	53
615	Large pore raspberry textured phosphonate@silica nanoparticles for protein immobilization. 2014 , 2, 903-914	7
614	Red fluorescent hybrid mesoporous organosilicas for simultaneous cell imaging and anticancer drug delivery. 2014 , 4, 43342-43345	11
613	Small sized mesoporous silica nanoparticles functionalized with mannose for retinoblastoma cell imaging. 2014 , 4, 37171	10
612	Nano regulation of cisplatin chemotherapeutic behaviors by biomineralization controls. <i>Small</i> , 2014 , 10, 3644-9	11 15
611	An approach to prepare polyethylenimine functionalized silica-based spheres with small size for siRNA delivery. 2014 , 6, 15626-31	16
610	Ceramics for Drug Delivery. 2014 , 343-382	1
609	Amorphous Coordination Polymer Particles for Biomedicine. 2014 , 113-138	1
608	Large Pore Mesoporous Silica Nanoparticles by Templating with a Nonsurfactant Molecule, Tannic Acid. 2014 , 26, 2030-2037	88
607	Silica vesicles as nanocarriers and adjuvants for generating both antibody and T-cell mediated immune responses to Bovine Viral Diarrhoea Virus E2 protein. 2014 , 35, 9972-9983	33
606	Significance of physicochemical and uptake kinetics in controlling the toxicity of metallic nanomaterials to aquatic organisms. 2014 , 15, 573-592	27
605	Simultaneous RGB emitting Au nanoclusters in chitosan nanoparticles for anticancer gene theranostics. 2014 , 6, 712-24	73
604	Facile synthesis of hollow mesoporous bioactive glass sub-micron spheres with a tunable cavity size. 2014 , 134, 130-133	33
603	A versatile method for encapsulating large-sized DNA into small-sized bio-reducible nanocapsules. 2014 , 118, 3893-8	6
602	Preparation and Biosafety Evaluation of the Peptide Dendron Functionalized Mesoporous Silica Nanohybrid. 2014 , 32, 27-36	6

601	Mesoporous silica nanoparticles for enhancing the delivery efficiency of immunostimulatory DNA drugs. 2014 , 43, 5142-50	32
600	Morphological effect of oscillating magnetic nanoparticles in killing tumor cells. 2014 , 9, 195	44
599	Preparation of Size-Controlled Monodisperse Colloidal Mesoporous Silica Nanoparticles and Fabrication of Colloidal Crystals. 2014 , 26, 2927-2933	53
598	Tube length and cell type-dependent cellular responses to ultra-short single-walled carbon nanotube. 2014 , 35, 3121-31	36
597	Optimized rod length of polyplex micelles for maximizing transfection efficiency and their performance in systemic gene therapy against stroma-rich pancreatic tumors. 2014 , 35, 5359-5368	40
596	Gold nanoparticles explore cells: cellular uptake and their use as intracellular probes. 2014 , 68, 354-63	53
595	Analytical Methods for Characterizing the Nanoparticle-Protein Corona. 2014 , 77, 755-769	50
594	The practicality of mesoporous silica nanoparticles as drug delivery devices and progress toward this goal. 2014 , 15, 1163-71	45
593	Molecular mechanisms and physiology of disease. 2014 ,	
592	Mesoporous silica nanoparticles: a potential platform for generation of induced pluripotent stem cells?. 2014 , 9, 377-80	4
591	Synthesis of Silica Vesicles with Small Sizes and Reduced Aggregation for Photodynamic Therapy. 2014 , 43, 316-318	2
590	Templated Synthesis for Nanoarchitected Porous Materials. 2015 , 88, 1171-1200	479
589	Size-Dependent Nanoparticle Uptake by Endothelial Cells in a Capillary Flow System. 2015 , 6,	2
588	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
587	Cancer-Cell-Specific Nuclear-Targeted Drug Delivery by Dual-Ligand-Modified Mesoporous Silica Nanoparticles. <i>Small</i> , 2015 , 11, 5919-26	11 68
586	Redox-Triggered Gatekeeper-Enveloped Starlike Hollow Silica Nanoparticles for Intelligent Delivery Systems. <i>Small</i> , 2015 , 11, 6467-79	11 66
585	Effective Use of Alkoxysilanes with Different Hydrolysis Rates for Particle Size Control of Aqueous Colloidal Mesostructured and Mesoporous Silica Nanoparticles by the Seed-Growth Method. 2015 , 1, 194-202	7
584	pH-Responsive Isoniazid-Loaded Nanoparticles Markedly Improve Tuberculosis Treatment in Mice. <i>Small</i> , 2015 , 11, 5066-78	11 54

583	The Use of Synthetic Carriers in Malaria Vaccine Design. 2015 , 3, 894-929	17
582	Silica Nanoparticles Induce Oxidative Stress and Autophagy but Not Apoptosis in the MRC-5 Cell Line. 2015 , 16, 29398-416	64
581	Tetracycline-Containing MCM-41 Mesoporous Silica Nanoparticles for the Treatment of Escherichia coli. 2015 , 20, 19690-8	30
580	Utilization of Enzyme-Immobilized Mesoporous Silica Nanocontainers (IBN-4) in Prodrug-Activated Cancer Theranostics. 2015 , 5, 2169-2191	30
579	Nanoparticle mediated drug delivery of rolipram to tyrosine kinase B positive cells in the inner ear with targeting peptides and agonistic antibodies. 2015 , 7, 71	15
578	Protein corona - from molecular adsorption to physiological complexity. 2015 , 6, 857-73	97
577	Amylose-Based Cationic Star Polymers for siRNA Delivery. 2015 , 2015, 962941	6
576	Construction of antibody-like nanoparticles for selective protein sequestration in living cells. 2015 , 7, 7162-7	37
575	Monodisperse Aluminosilicate Spheres with Tunable Al/Si Ratio and Hierarchical Macro-Meso-Microporous Structure. 2015 , 7, 13578-89	25
574	Preparation of lignin-based silica composite submicron particles from alkali lignin and sodium silicate in aqueous solution using a direct precipitation method. 2015 , 74, 285-292	57
573	Synthesis of mesoporous carbon nanoparticles with large and tunable pore sizes. 2015 , 7, 11580-90	24
572	Preparation of fluorescent mesoporous hollow silica-fullerene nanoparticles via selective etching for combined chemotherapy and photodynamic therapy. 2015 , 7, 11894-8	24
571	How nanoparticles interact with cancer cells. 2015 , 166, 227-44	14
570	Size, surface charge, and shape determine therapeutic effects of nanoparticles on brain and retinal diseases. 2015 , 11, 1603-11	260
569	Size-dependent effects of layered double hydroxide nanoparticles on cellular functions of mouse embryonic stem cells. 2015 , 10, 3469-82	11
568	Amino acid-catalyzed seed regrowth synthesis of photostable high fluorescent silica nanoparticles with tunable sizes for intracellular studies. 2015 , 17, 1	14
567	Study on size effect of the silica nanospheres with solid core and mesoporous shell on cellular uptake. 2015 , 10, 065012	9
566	Understanding nanoparticle cellular entry: A physicochemical perspective. 2015 , 218, 48-68	219

565	Biphasic Synthesis of Large-Pore and Well-Dispersed Benzene Bridged Mesoporous Organosilica Nanoparticles for Intracellular Protein Delivery. <i>Small</i> , 2015 , 11, 2743-9	11	74
564	Size-dependent and real-time effect of SiO nanoparticles on a single living HeLa Cell's membrane permeability. 2015 , 3, 1198-1203		7
563	A porosity difference based selective dissolution strategy to prepare shape-tailored hollow mesoporous silica nanoparticles. 2015 , 3, 3839-3846		34
562	Nanotoxicity of silver nanoparticles to red blood cells: size dependent adsorption, uptake, and hemolytic activity. 2015 , 28, 501-9		175
561	Megranate-like nanoreactor with multiple cores and an acidic mesoporous shell for a cascade reaction. 2015 , 7, 3719-25		13
560	Local pH tracking in living cells. 2015 , 7, 4217-25		15
559	Influence of structural, textural and surface properties of mesostructured silica and aluminosilicate carriers on aminoglycoside uptake and in vitro delivery. 2015 , 206, 150-160		17
558	Highly fluorescent sub 40-nm aminated mesoporous silica nanoparticles. 2015 , 74, 32-38		6
557	Biosafety evaluations of well-dispersed mesoporous silica nanoparticles: towards in vivo-relevant conditions. 2015 , 7, 6471-80		31
556	Edible Bio-Based Nanostructures: Delivery, Absorption and Potential Toxicity. 2015 , 7, 491-513		34
555	Hybrid core/shell microparticles and their use for understanding biological processes. 2015 , 457, 9-17		14
554	Intracellular delivery of BSA by phosphonate@silica nanoparticles. 2015 , 3, 6057-6070		10
553	SnO ₂ quantum dots decorated silica nanoparticles for fast removal of cationic dye (methylene blue) from wastewater. 2015 , 281, 482-490		60
552	Morphology control of microporous silica particles obtained by gradual injection of reactants. 2015 , 76, 156-163		3
551	Controlled size synthesis and application of nanosphere MCM-41 as potent adsorber of drugs: A novel approach to new antidote agent for intoxication. 2015 , 213, 30-39		25
550	EpCAM aptamer mediated cancer cell specific delivery of EpCAM siRNA using polymeric nanocomplex. 2015 , 22, 4		60
549	Superparamagnetic core/shell GoldMag nanoparticles: size-, concentration- and time-dependent cellular nanotoxicity on human umbilical vein endothelial cells and the suitable conditions for magnetic resonance imaging. 2015 , 13, 24		14
548	Mesoporous silica nanoparticles for glutathione-triggered long-range and stable release of hydrogen sulfide. 2015 , 3, 4451-4457		24

547	Roles of nanostructures and carboxylic acid functionalization of ordered cubic mesoporous silicas in lysozyme immobilization. 2015 , 213, 150-160	28
546	Effect of the surface modification, size, and shape on cellular uptake of nanoparticles. 2015 , 39, 881-90	291
545	Macrophage Cell Membrane Camouflaged Mesoporous Silica Nanocapsules for In Vivo Cancer Therapy. 2015 , 4, 1645-52	191
544	Nanotechnology-Based Precision Tools for the Detection and Treatment of Cancer. 2015 ,	22
543	The effect of acid and base catalysts on phase purity and dissolution behavior of sol-gel derived in situ silica coated apatite composite nanopowders. 2015 , 41, 9476-9481	7
542	Hierarchical coated metal hydroxide nanoconstructs as potential controlled release carriers of photosensitizer for skin melanoma. 2015 , 5, 42666-42680	31
541	Biocompatible polymer-Peptide hybrid-based DNA nanoparticles for gene delivery. 2015 , 7, 10446-56	23
540	Influence of surface functionalization on the hydrophilic character of mesoporous silica nanoparticles. 2015 , 17, 13882-94	43
539	Photocatalysis by morphologically tailored mesoporous silica (SBA-15) embedded with SnO ₂ nanoparticles: Experiments and model. 2015 , 498, 107-116	23
538	Toxicity of silica nanoparticles depends on size, dose, and cell type. 2015 , 11, 1407-16	235
537	In vitro evaluation of the cellular effect of indium tin oxide nanoparticles using the human lung adenocarcinoma A549 cells. 2015 , 7, 816-27	27
536	Synthesis of silica nanoparticles with controllable surface roughness for therapeutic protein delivery. 2015 , 3, 8477-8485	30
535	Oxidative Stress and Nanomaterial-Cellular Interactions. 2015 , 347-367	5
534	Killing cancer cells by delivering a nanoreactor for inhibition of catalase and catalytically enhancing intracellular levels of ROS. 2015 , 5, 86072-86081	51
533	Chitosan Nanoparticles for Nuclear Targeting: The Effect of Nanoparticle Size and Nuclear Localization Sequence Density. 2015 , 12, 4277-89	56
532	A multifunctional role of trialkylbenzenes for the preparation of aqueous colloidal mesostructured/mesoporous silica nanoparticles with controlled pore size, particle diameter, and morphology. 2015 , 7, 19557-67	26
531	Studies on Experimental Toxicology and Pharmacology. 2015 ,	6
530	Molecular architecture control in synthesis of spherical Ln-containing nanoparticles. 2015 , 5, 69861-69869	8

529	A facile, green synthesis of highly fluorescent carbon nanoparticles from oatmeal for cell imaging. 2015 , 3, 9514-9518	37
528	Antibody fragment-armed mesoporous silica nanoparticles for the targeted delivery of bevacizumab in ovarian cancer cells. 2015 , 496, 1026-33	34
527	Shape Effect on Particle-Lipid Bilayer Membrane Association, Cellular Uptake, and Cytotoxicity. 2015 , 7, 23993-4000	32
526	Rational assembly of a biointerfaced core@shell nanocomplex towards selective and highly efficient synergistic photothermal/photodynamic therapy. 2015 , 7, 20197-210	47
525	Targeting delivery of liposomes with conjugated p-aminophenyl- β -D-manno-pyranoside and apolipoprotein E for inhibiting neuronal degeneration insulted with β -amyloid peptide. 2015 , 23, 147-58	10
524	Tunable stellate mesoporous silica nanoparticles for intracellular drug delivery. 2015 , 3, 1712-1721	53
523	Porous Silicon Nanodiscs for Targeted Drug Delivery. 2015 , 25, 1137-1145	76
522	Dual-cargo selectively controlled release based on a pH-responsive mesoporous silica system. 2015 , 16, 607-13	7
521	Formation of uniform hollow nanocages with heteroatom-doped MCM-41 structures. 2015 , 5, 5068-5071	3
520	One-pot synthesis of iron oxide mesoporous silica core/shell nanocomposites. 2015 , 204, 173-179	10
519	Evaluation of Phototoxic Effects of Curcumin Loaded in Organically Modified Silica Nanoparticles in Tumor Spheroids of Oral Cancer Cells. 2015 , 5, 10-21	12
518	The shape and size effects of polycation functionalized silica nanoparticles on gene transfection. 2015 , 11, 381-92	77
517	Binding of CpG oligodeoxynucleotides to mesoporous silica nanoparticles for enhancing delivery efficiency. 2015 , 204, 91-98	21
516	Particle size- and number-dependent delivery to cells by layered double hydroxide nanoparticles. 2015 , 437, 10-16	22
515	On the pathway of cellular uptake: new insight into the interaction between the cell membrane and very small nanoparticles. 2016 , 7, 1296-1311	22
514	Spermine-modified Antheraea pernyi silk fibroin as a gene delivery carrier. 2016 , 11, 1013-23	9
513	Engineered nanomaterials for biomedicine: Advancements and hazards. 2016 , 307-328	2
512	Nanoarchitected Mesoporous Silica-Based Drug-Delivery Systems: Toward Perfect Nanomedicine. 2016 , 345-377	1

511	Nanoparticle-based luminescent probes for intracellular sensing and imaging of pH. 2016 , 8, 378-413	36
510	Exploring the effect of silver nanoparticle size and medium composition on uptake into pulmonary epithelial 16HBE14o-cells. 2016 , 18, 182	18
509	Small Upconverting Fluorescent Nanoparticles for Biosensing and Bioimaging. 2016 , 4, 984-997	69
508	Chemistry of Mesoporous Organosilica in Nanotechnology: Molecularly Organic-Inorganic Hybridization into Frameworks. 2016 , 28, 3235-72	231
507	Scanning Ion Conductance Microscopic Study for Cellular Uptake of Cationic Conjugated Polymer Nanoparticles. 2016 , 16, 599-607	11
506	A Framework to Account for Sedimentation and Diffusion in Particle-Cell Interactions. 2016 , 32, 12394-12402	41
505	Effect of pore-directing agents and silanol groups in mesoporous silica nanoparticles as Nafion fillers on the performance of DMFCs. 2016 , 6, 111666-111680	5
504	Quantification and visualization of cellular uptake of TiO ₂ and Ag nanoparticles: comparison of different ICP-MS techniques. 2016 , 14, 50	60
503	Stober strategy for synthesizing multifluorescent organosilica nanocrystals. 2016 , 52, 6154-7	30
502	20-nm-sized mesoporous silica nanoparticles with porphyrin photosensitizers for in vitro photodynamic therapy. 2016 , 79, 447-456	6
501	Increasing cell viability using Cd-free InP/ZnS@silica@layered double hydroxide materials for biological labeling. 2016 , 6, 31210-31213	4
500	In vitro and in vivo evaluation of sandwich-like mesoporous silica nanoflakes as promising anticancer drug delivery system. 2016 , 506, 458-68	9
499	Size-Controlled Functionalized Mesoporous Silica Nanoparticles for Tunable Drug Release and Enhanced Anti-Tumoral Activity. 2016 , 28, 4243-4258	106
498	A general method to synthesize a family of mesoporous silica nanoparticles less than 100 nm and their applications in anti-reflective/fogging coating. 2016 , 51, 6192-6206	11
497	Gold nanoparticle-conjugated heterogeneous polymer brush-wrapped cellulose nanocrystals prepared by combining different controllable polymerization techniques for theranostic applications. 2016 , 7, 3107-3116	53
496	A Facile Approach to Upconversion Crystalline CaF:Yb,Tm@mSiO Nanospheres for Tumor Therapy. 2016 , 6, 38365-38370	12
495	Nanoparticles and mesenchymal stem cells: a win-win alliance for anticancer drug delivery. 2016 , 6, 36910-36922	
494	Colloidal Silica Particle Synthesis and Future Industrial Manufacturing Pathways: A Review. 2016 , 55, 8891-8913	79

493	Nanoparticles with multiple properties for biomedical applications: A strategic guide. 2016 , 11, 435-463	123
492	Preparation of HCPT-Loaded Nanoneedles with Pointed Ends for Highly Efficient Cancer Chemotherapy. 2016 , 11, 294	8
491	Differential Protein Adsorption and Cellular Uptake of Silica Nanoparticles Based on Size and Porosity. 2016 , 8, 34820-34832	79
490	Mesoporous Silica Nanoparticles (MSNs) for Cancer Theranostics. 2016 , 143-175	2
489	Colloidal Mesoporous Silica Nanoparticles. 2016 , 89, 501-539	158
488	Gold nanoparticle-capped mesoporous silica-based HO-responsive controlled release system for Alzheimer's disease treatment. 2016 , 46, 177-190	65
487	Nano-formulations of drugs: Recent developments, impact and challenges. 2016 , 128-129, 99-112	105
486	Uptake of silver nanoparticles by monocytic THP-1 cells depends on particle size and presence of serum proteins. 2016 , 18, 286	38
485	Multifunctional Redox-Responsive Mesoporous Silica Nanoparticles for Efficient Targeting Drug Delivery and Magnetic Resonance Imaging. 2016 , 8, 33829-33841	89
484	Mesoporous Silica Nanoparticles with Large Pores for the Encapsulation and Release of Proteins. 2016 , 8, 32211-32219	87
483	A universal cooperative assembly-directed method for coating of mesoporous TiO(2) nanoshells with enhanced lithium storage properties. 2016 , 2, e1501554	174
482	Simulations of Cell Uptake of Nanoparticles: Membrane-Mediated Interaction, Internalization Pathways, and Cooperative Effect. 2016 , 208-229	
481	Liposomal drug delivery systems for targeted cancer therapy: is active targeting the best choice?. 2016 , 8, 2091-2112	33
480	Engineered gold nanoparticles for photothermal cancer therapy and bacteria killing. 2016 , 6, 111482-111516	40
479	Large-scale preparation of morphology-controlled microporous silica particles via gradual injection of reactants with different surfactants. 2016 , 79, 440-446	4
478	Glutathione functionalized mesoporous organosilica conjugate for drug delivery. 2016 , 6, 56287-56293	3
477	Oxidative Damage and Energy Metabolism Disorder Contribute to the Hemolytic Effect of Amorphous Silica Nanoparticles. 2016 , 11, 57	27
476	Non-Invasive Imaging Serum Amyloid A Activation through the NF- κ B Signal Pathway upon Gold Nanostructure Exposure. <i>Small</i> , 2016 , 12, 3270-82	11 6

475	The evaluation of cellular uptake efficiency and tumor-targeting ability of MPEG-BD-LA micelles: effect of particle size. 2016 , 6, 13698-13709	18
474	Appropriate Size of Magnetic Nanoparticles for Various Bioapplications in Cancer Diagnostics and Therapy. 2016 , 8, 3092-106	67
473	Extremely low frequency alternating magnetic field-triggered and MRI-traced drug delivery by optimized magnetic zeolitic imidazolate framework-90 nanoparticles. 2016 , 8, 3259-63	49
472	Sol-gel based materials for biomedical applications. 2016 , 77, 1-79	430
471	Characteristics of Cell-Penetrating Peptide/Nucleic Acid Nanoparticles. 2016 , 13, 172-9	34
470	PLA nanovectors with encapsulated betulin: plant leaf extract-synthesized nanovectors are more efficacious than PVA-synthesized nanovectors. 2016 , 38, 259-69	10
469	Amine modification of nonporous silica nanoparticles reduces inflammatory response following intratracheal instillation in murine lungs. 2016 , 241, 207-15	33
468	Immune response to functionalized mesoporous silica nanoparticles for targeted drug delivery. 2016 , 8, 938-48	73
467	Syntheses and biomedical applications of hollow micro-/nano-spheres with large-through-holes. 2016 , 45, 690-714	129
466	Catalytic performances of Ni/mesoporous SiO ₂ catalysts for dry reforming of methane to hydrogen. 2016 , 25, 709-719	47
465	The effect of nanoparticle size on in vivo pharmacokinetics and cellular interaction. 2016 , 11, 673-92	742
464	Biodistribution and Toxicity of X-Ray Iodinated Contrast Agent in Nano-emulsions in Function of Their Size. 2016 , 33, 603-14	22
463	Size-Controlled Synthesis of Porphyrinic Metal-Organic Framework and Functionalization for Targeted Photodynamic Therapy. 2016 , 138, 3518-25	503
462	Kinetics of cellular uptake of viruses and nanoparticles via clathrin-mediated endocytosis. 2016 , 13, 016005	26
461	Recent advances in mesoporous silica nanoparticles for antitumor therapy: our contribution. 2016 , 4, 803-13	74
460	Targeted Mesoporous Silica Nanoparticles Delivering Arsenic Trioxide with Environment Sensitive Drug Release for Effective Treatment of Triple Negative Breast Cancer. 2016 , 2, 501-507	46
459	Silica-assisted incorporation of polydopamine into the framework of porous nanocarriers by a facile one-pot synthesis. 2016 , 4, 2435-2443	40
458	Aggregation-Induced Emission Luminogen-Embedded Silica Nanoparticles Containing DNA Aptamers for Targeted Cell Imaging. 2016 , 8, 609-16	57

457	Size-dependent gene delivery of amine-modified silica nanoparticles. 2016 , 9, 291-305	25
456	Controlled synthesis of monodispersed mesoporous silica nanoparticles: Particle size tuning and formation mechanism investigation. 2016 , 225, 238-244	76
455	Advances in silica based nanoparticles for targeted cancer therapy. 2016 , 12, 317-32	116
454	Synthesis of Hollow Mesoporous Silica Nanoparticles by Silica-Etching Chemistry for Biomedical Applications. 2016 , 31-46	3
453	Intracellular accumulation of indium ions released from nanoparticles induces oxidative stress, proinflammatory response and DNA damage. 2016 , 159, 225-37	27
452	Design, Synthesis, Multifunctionalization and Biomedical Applications of Multifunctional Mesoporous Silica-Based Drug Delivery Nanosystems. 2016 ,	2
451	Nanoparticle-Based Topical Ophthalmic Gel Formulation for Sustained Release of Hydrocortisone Butyrate. 2016 , 17, 294-306	49
450	Silica-coated Magnetic Nanoparticles. 2017 ,	6
449	Introduction. 2017 , 1-8	
448	Tailor-made drug carrier: Comparison of formation-dependent physicochemical properties within self-assembled aggregates for an optimal drug carrier. 2017 , 152, 269-276	11
447	The in vitro and in vivo toxicity of gold nanoparticles. 2017 , 28, 691-702	158
446	Impacts of Cross-Linkers on Biological Effects of Mesoporous Silica Nanoparticles. 2017 , 9, 10254-10265	15
445	Size-dependent downconversion near-infrared emission of NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanoparticles. 2017 , 5, 2451-2458	26
444	Monodisperse mesoporous silica nanoparticles of distinct topology. 2017 , 495, 84-93	19
443	Enhanced Penetration of Human Placental Tissue by SiO ₂ Nanoparticles as a Result of Microneedle and Electroporation Treatments. 2017 , 9, 1-10	1
442	Identifying a size-specific hazard of silica nanoparticles after intravenous administration and its relationship to the other hazards that have negative correlations with the particle size in mice. 2017 , 28, 135101	11
441	Simple Assembly of Acidic Nanospheres for Efficient Production of 5-Ethoxymethylfurfural from 5-Hydroxymethylfurfural and Fructose. 2017 , 5, 2046-2054	19
440	Marriage of Albumin-Gadolinium Complexes and MoS ₂ Nanoflakes as Cancer Theranostics for Dual-Modality Magnetic Resonance/Photoacoustic Imaging and Photothermal Therapy. 2017 , 9, 17786-17798	72

439	Microfluidic-assisted nanoprecipitation of antiviral-loaded polymeric nanoparticles. 2017 , 532, 369-376	33
438	Nanotherapy of cancer by photoelectrons emitted from the surface of nanoparticles exposed to nonionizing ultraviolet radiation. 2017 , 12, 1107-1117	1
437	Cellular Shuttles: Monocytes/Macrophages Exhibit Transendothelial Transport of Nanoparticles under Physiological Flow. 2017 , 9, 18501-18511	24
436	Graphitic nanocapsules: design, synthesis and bioanalytical applications. 2017 , 9, 10529-10543	8
435	Formulation of Nonionic Surfactant Vesicles (NISV) Prepared by Microfluidics for Therapeutic Delivery of siRNA into Cancer Cells. 2017 , 14, 2450-2458	24
434	Molecular Elucidation of Biological Response to Mesoporous Silica Nanoparticles in Vitro and in Vivo. 2017 , 9, 22235-22251	56
433	Micro-Raman spectroscopy as an enabling tool for long-term intracellular studies of nanomaterials at nanomolar concentration levels. 2017 , 5, 6536-6545	3
432	Effects of pore topology and iron oxide core on doxorubicin loading and release from mesoporous silica nanoparticles. 2017 , 19, 1	4
431	Silica-based multifunctional nanodelivery systems toward regenerative medicine. 2017 , 4, 772-799	53
430	Dual delivery of siRNA and plasmid DNA using mesoporous silica nanoparticles to differentiate induced pluripotent stem cells into dopaminergic neurons. 2017 , 5, 3012-3023	32
429	Nose to brain delivery in rats: Effect of surface charge of rhodamine B labeled nanocarriers on brain subregion localization. 2017 , 154, 297-306	48
428	Toward a systematic exploration of nano-bio interactions. 2017 , 323, 66-73	37
427	Plant Stress Signaling Through Corresponding Nanobiotechnology. 2017 , 381-391	0
426	Targeting Neutrophilic Inflammation Using Polymersome-Mediated Cellular Delivery. 2017 , 198, 3596-3604	19
425	Gold nanoparticles, radiations and the immune system: Current insights into the physical mechanisms and the biological interactions of this new alliance towards cancer therapy. 2017 , 178, 1-17	40
424	Structural effect of FeO nanoparticles on peroxidase-like activity for cancer therapy. 2017 , 154, 239-245	53
423	Insight into the interactions between nanoparticles and cells. 2017 , 5, 173-189	66
422	Engineering of inorganic nanoparticles as magnetic resonance imaging contrast agents. 2017 , 46, 7438-7468	250

421	Synthesis, Functionalization, and Design of Magnetic Nanoparticles for Theranostic Applications. 2017 , 6, 1700306	120
420	Hydrophobic polyaniline/modified SiO ₂ coatings for anticorrosion protection. 2017 , 233, 94-100	22
419	Fluorescence-coded DNA Nanostructure Probe System to Enable Discrimination of Tumor Heterogeneity via a Screening of Dual Intracellular microRNA Signatures in situ. 2017 , 7, 13499	5
418	Integration of polymers in the pore space of mesoporous nanocarriers for drug delivery. 2017 , 5, 8891-8903	9
417	Hollow mesoporous silica nanosphere-supported FePt nanoparticles for potential theranostic applications. 2017 , 5, 7598-7607	10
416	Solvent-Driven Infiltration of Polymer (SIP) into Nanoparticle Packings. 2017 , 6, 1104-1108	19
415	Evaluation of mesoporous silica nanoparticles for oral drug delivery - current status and perspective of MSNs drug carriers. 2017 , 9, 15252-15277	124
414	Nanoparticle impact on innate immune cell pattern-recognition receptors and inflammasomes activation. 2017 , 34, 3-24	44
413	Peptide-Conjugated Nano-Drug Delivery System to Improve Synergistic Molecular Chemotherapy for Colon Carcinoma. 2017 , 2, 8524-8534	5
412	Synthesis of surface capped mesoporous silica nanoparticles for pH-stimuli responsive drug delivery applications. 2017 , 8, 1797-1805	13
411	Tuning the binding, release and cytotoxicity of hydrophobic drug by Bovine Serum Albumin nanoparticles: Influence of particle size. 2017 , 158, 682-688	29
410	The negative effect of silica nanoparticles on adipogenic differentiation of human mesenchymal stem cells. 2017 , 81, 341-348	22
409	Cancer Therapeutic Proficiency of Dual-Targeted Mesoporous Silica Nanocomposite Endorses Combination Drug Delivery. 2017 , 2, 7959-7975	20
408	Calcination-Dependent Morphology Transformation of Sol-Gel- Synthesized MgO Nanoparticles. 2017 , 2, 10393-10404	22
407	Optical trapping for biosensing: materials and applications. 2017 , 5, 9085-9101	37
406	In Vitro Dissolution, Cellular Membrane Permeability, and Anti-Inflammatory Response of Resveratrol-Encapsulated Mesoporous Silica Nanoparticles. 2017 , 14, 4431-4441	58
405	Facile synthesis of microporous SiO ₂ /triangular Ag composite nanostructures for photocatalysis. 2017 , 7, 633-643	5
404	Nanoparticle-encapsulated baicalein markedly modulates pro-inflammatory response in gingival epithelial cells. 2017 , 9, 12897-12907	33

403	pH-Responsive Dimeric Zinc(II) Phthalocyanine in Mesoporous Silica Nanoparticles as an Activatable Nanophotosensitizing System for Photodynamic Therapy. 2017 , 9, 23487-23496	23
402	Talented Mesoporous Silica Nanoparticles. 2017 , 29, 371-388	130
401	Fluorescein isothiocyanate-dyed mesoporous silica nanoparticles for tracking antioxidant delivery. 2017 , 11, 454-462	5
400	Roles of particle size, shape and surface chemistry of mesoporous silica nanomaterials on biological systems. 2017 , 62, 57-77	67
399	Evaluation of folic acid tagged aminated starch/ZnO coated iron oxide nanoparticles as targeted curcumin delivery system. 2017 , 157, 391-399	46
398	Targeted Tumor Therapy Based on Nanodiamonds Decorated with Doxorubicin and Folic Acid. 2017 , 17, 1600180	12
397	The Application, Neurotoxicity, and Related Mechanism of Silica Nanoparticles. 2017 , 227-257	5
396	Interfacial engineering of nanoparticles for cancer therapeutics. 2017 , 177-209	12
395	Selenium-Substituted Hydroxyapatite Nanoparticles and their in Vitro Interaction on Human Bone Marrow- and Umbilical Cord-Derived Mesenchymal Stem Cells. 2017 , 66, 244-252	1
394	Protein-Based Drug-Delivery Materials. 2017 , 10,	73
393	Mesoporous Silica Nanoparticles as Drug Delivery Vehicles in Cancer. 2017 , 7,	213
392	Allergic Responses Induced by the Immunomodulatory Effects of Nanomaterials upon Skin Exposure. 2017 , 8, 169	39
391	Human Scavenger Receptor A1-Mediated Inflammatory Response to Silica Particle Exposure Is Size Specific. 2017 , 8, 379	26
390	Design of nanoparticle structures for cancer immunotherapy. 2017 , 307-328	1
389	4.35 Ordered Mesoporous Silica Materials ?. 2017 , 644-685	5
388	Mesoporous Silica Nanoparticles: A Review. 2017 , 06,	72
387	Mesoporous silica nanoparticles: a promising multifunctional drug delivery system. 2017 , 593-621	10
386	Design, synthesis, anticorrosion efficiency, and applications of novel Gemini surfactants for preparation of small-sized hollow spheres mesoporous silica nanoparticles. 2018 , 211, 123-136	13

385	Intratumoral high-payload delivery and acid-responsive release of H ₂ for efficient cancer therapy using the ammonia borane-loaded mesoporous silica nanomedicine. 2018 , 11, 136-143	42
384	Silicon dioxide nanoparticle exposure affects small intestine function in an in vitro model. 2018 , 12, 485-508	39
383	Brighter, More Stable, and Less Toxic: A Host-Guest Interaction-Aided Strategy for Fabricating Fluorescent Silica Nanoparticles and Applying Them in Bioimaging and Biosensing at the Cellular Level. 2018 , 10, 16291-16298	9
382	Advances in Multicompartment Mesoporous Silica Micro/Nanoparticles for Theranostic Applications. 2018 , 9, 389-411	43
381	Realization of Walnut-Shaped Particles with Macro-/Mesoporous Open Channels through Pore Architecture Manipulation and Their Use in Electrocatalytic Oxygen Reduction. 2018 , 57, 6176-6180	128
380	Realization of Walnut-Shaped Particles with Macro-/Mesoporous Open Channels through Pore Architecture Manipulation and Their Use in Electrocatalytic Oxygen Reduction. 2018 , 130, 6284-6288	16
379	The influence of mineral particles on fibroblast behaviour: A comparative study. 2018 , 167, 239-251	3
378	A fluorescence and colorimetric dual-mode assay of alkaline phosphatase activity via destroying oxidase-like CoOOH nanoflakes. 2018 , 6, 2843-2850	67
377	Cell Surface Diffusion and Adsorption. 2018 , 75-133	
376	Cross-Linked Peptide Nanoclusters for Delivery of Oncofetal Antigen as a Cancer Vaccine. 2018 , 29, 776-785	19
375	Interspecies differences in the cytochrome P450 activity of hepatocytes exposed to PLGA and silica nanoparticles: an in vitro and in vivo investigation. 2018 , 10, 5171-5181	10
374	Nanoparticles-Caused Oxidative Imbalance. 2018 , 1048, 85-98	16
373	Composite smart mesoporous silica nanoparticles as promising therapeutic and diagnostic candidates: Recent trends and applications. 2018 , 44, 349-365	34
372	Palladium nanoparticles induce autophagy and autophagic flux blockade in Hela cells. 2018 , 8, 4130-4141	13
371	Physiological uptake and retention of radiolabeled resveratrol loaded gold nanoparticles (Tc-Res-AuNP) in colon cancer tissue. 2018 , 14, 1059-1071	29
370	Multimodality Imaging of Silica and Silicon Materials In Vivo. 2018 , 30, e1703651	42
369	Effects of gold core size on regulating the performance of doxorubicin-conjugated gold nanoparticles. 2018 , 11, 3396-3410	17
368	Nanoscale Zr-Based MOFs with Tailorable Size and Introduced Mesopore for Protein Delivery. 2018 , 28, 1707356	64

367	Loading of polymyxin B onto anionic mesoporous silica nanoparticles retains antibacterial activity and enhances biocompatibility. 2018 , 537, 148-161	50
366	Entry of nanoparticles into cells: the importance of nanoparticle properties. 2018 , 9, 259-272	199
365	Size Effect on Lipid Nanocapsule-Mediated GLP-1 Secretion from Enteroendocrine L Cells. 2018 , 15, 108-115	15
364	Generation of Functional Dopaminergic Neurons from Reprogramming Fibroblasts by Nonviral-based Mesoporous Silica Nanoparticles. 2018 , 8, 11	60
363	Synthesis and characterization of bio-reducible cationic biarm polymer for efficient gene delivery. 2018 , 110, 366-374	9
362	The effects of morphology on physicochemical properties, bioactivity and biocompatibility of micro-/nano-bioactive glasses. 2018 , 29, 1812-1819	9
361	Improved performance of the rechargeable hybrid aqueous battery at near full state-of-charge. 2018 , 271, 481-489	4
360	Cyclic peptide-poly(HPMA) nanotubes as drug delivery vectors: In vitro assessment, pharmacokinetics and biodistribution. 2018 , 178, 570-582	34
359	Nanotechnologies for tissue engineering and regeneration. 2018 , 93-206	11
358	Effects of surface modification and size on oral drug delivery of mesoporous silica formulation. 2018 , 513, 736-747	36
357	Size effect on oral absorption in polymer-functionalized mesoporous carbon nanoparticles. 2018 , 511, 57-66	25
356	Small size mesoporous organosilica nanorods with different aspect ratios: Synthesis and cellular uptake. 2018 , 512, 134-140	19
355	Mesoporous silica-based nanoplatforms for the delivery of photodynamic therapy agents. 2018 , 48, 3-17	39
354	Polymer coated mesoporous ceramic for drug delivery in bone tissue engineering. 2018 , 110, 65-73	26
353	Visible light scattering properties of irregularly shaped silica microparticles using laser based laboratory simulations for remote sensing and medical applications. 2018 , 28, 015701	
352	Lithium Ion Nanocarriers Self-Assembled from Amphiphiles with Aggregation-Induced Emission Activity. 2018 , 1, 122-131	6
351	Overcoming the Blood-Brain Barrier: The Role of Nanomaterials in Treating Neurological Diseases. 2018 , 30, e1801362	226
350	GQDs-MSNs nanocomposite nanoparticles for simultaneous intracellular drug delivery and fluorescent imaging. 2018 , 20, 306	16

349	Biosynthesis of flower-shaped Au nanoclusters with EGCG and their application for drug delivery. 2018 , 16, 90	15
348	Dendrimer-like mesoporous silica nanospheres with suitable surface functionality to combat the multidrug resistance. 2018 , 553, 349-362	5
347	Multispectral optoacoustic tomography (MSOT) for imaging the particle size-dependent intratumoral distribution of polymeric micelles. 2018 , 13, 8549-8560	10
346	Insight into Cellular Uptake and Intracellular Trafficking of Nanoparticles. 2018 , 13, 339	477
345	Challenges facing nanotoxicology and nanomedicine due to cellular diversity. 2018 , 487, 186-196	12
344	The Bioimaging Applications of Mesoporous Silica Nanoparticles. 2018 , 43, 123-153	11
343	Porous Inorganic Carriers Based on Silica, Calcium Carbonate and Calcium Phosphate for Controlled/Modulated Drug Delivery: Fresh Outlook and Future Perspectives. 2018 , 10,	66
342	Sizing and identification of nanoparticles by a tapered fiber.. 2018 , 8, 32916-32921	
341	Luminescence study on crystalline phase of Y ₂ Si ₂ O ₇ from mesoporous silica and Y ₂ O ₃ : Ln ³⁺ at 900 °C. 2018 , 8, 105310	5
340	Synthesis, characterization and biological evaluation of a nanorod five-coordinated Sn(IV) complex. Theoretical studies of (CH ₃) ₂ Sn(O ₂ PPh) ₂ . 2018 , 32, e4610	5
339	Magnetite-silica nanoparticles with core-shell structure: single-step synthesis, characterization and magnetic behavior. 2018 , 88, 609-617	9
338	Uptake and Distribution of Fenoxanil-Loaded Mesoporous Silica Nanoparticles in Rice Plants. 2018 , 19,	15
337	Impact of nanoparticle surface functionalization on the protein corona and cellular adhesion, uptake and transport. 2018 , 16, 70	35
336	Magnesium Oxide in Nanodimension: Model for MRI and Multimodal Therapy. 2018 , 2018, 1-12	8
335	Associative and Dissociative Processes in Non-Covalent Polymer-Mediated Intracellular Protein Delivery. 2018 , 13, 3351-3365	9
334	Preparation of mesoporous silica nanoparticles with controlled pore size, particle diameter, morphology, and structure by two-step process of chlorosilane residue. 2018 , 44, 22241-22248	7
333	Residence time and uptake of porous and cationic maltodextrin-based nanoparticles in the nasal mucosa: Comparison with anionic and cationic nanoparticles. 2018 , 550, 316-324	15
332	Peptide-Functionalized Hydrogel Cubes for Active Tumor Cell Targeting. 2018 , 19, 4084-4097	12

331	Reactive oxygen species independent genotoxicity of indium tin oxide nanoparticles triggered by intracellular degradation. 2018 , 118, 264-271	10
330	The morphology and surface charge-dependent cellular uptake efficiency of upconversion nanostructures revealed by single-particle optical microscopy. 2018 , 9, 5260-5269	52
329	Room temperature synthesis of dendritic mesoporous silica nanoparticles with small sizes and enhanced mRNA delivery performance. 2018 , 6, 4089-4095	24
328	New Method to Determine the Effect of Surface PEGylation on Cellular Uptake Efficiency of Mesoporous Silica Nanoparticles with AIEgens. 2018 , 219, 1800034	4
327	models of molecular and nano-particle transport across the blood-brain barrier. 2018 , 12, 042213	45
326	Interactions of Nanomaterials with Biological Systems. 2018 , 137-199	
325	Functionalization of silica nanoparticles for nucleic acid delivery. 2018 , 11, 5219-5239	26
324	Exogenous/Endogenous-Triggered Mesoporous Silica Cancer Nanomedicine. 2018 , 7, e1800268	32
323	Mesoporous silica nanoparticles as drug delivery systems against melanoma. 2018 , 437-466	4
322	Ecological Risks of Nanoparticles. 2018 , 429-452	4
321	Micromorphology Influence on the Color Performance of Lignin and Its Application in Guiding the Preparation of Light-colored Lignin Sunscreen. 2018 , 6, 12532-12540	33
320	Quantifying the Ligand-Coated Nanoparticle Delivery to Cancer Cells in Solid Tumors. 2018 , 12, 8423-8435	287
319	Synthesis of polyethylene/silica-silver nanocomposites with antibacterial properties by in situ polymerization. 2018 , 106, 92-101	12
318	Roles of alcohol desolvating agents on the size control of bovine serum albumin nanoparticles in drug delivery system. 2018 , 47, 193-199	12
317	Silica nanoparticles on the oral delivery of insulin. 2018 , 15, 805-820	17
316	Targeting Somatostatin Receptors By Functionalized Mesoporous Silica Nanoparticles - Are We Striking Home?. 2018 , 2, 320-346	6
315	A multifunctional targeting probe with dual-mode imaging and photothermal therapy used in vivo. 2018 , 16, 42	16
314	Mesoporous silica nanoparticles in nanomedicine applications. 2018 , 29, 65	61

313	Polyaspartic acid-anchored mesoporous silica nanoparticles for pH-responsive doxorubicin release. 2018 , 13, 1029-1040	28
312	Bortezomib-loaded solid lipid nanoparticles: preparation, characterization, and intestinal permeability investigation. 2018 , 44, 1598-1605	13
311	Nanotechnology-based drug delivery systems. 2018 , 39-79	8
310	Synthesis and Application of Dendritic Fibrous Nanosilica/Gold Hybrid Nanomaterials. 2018 , 7, 349-355	14
309	Microfluidics-enabled rational design of immunomagnetic nanomaterials and their shape effect on liquid biopsy. 2018 , 18, 1997-2002	16
308	Biofunctionalized Mesoporous Silica Nanomaterials for Targeted Drug Delivery. 2018 , 489-520	3
307	Naturally Occurring and Synthetic Mesoporous Nanosilica: Multimodal Applications in Frontier Areas of Science. 2019 , 18, 1850027	0
306	Multidisciplinary Role of Mesoporous Silica Nanoparticles in Brain Regeneration and Cancers: From Crossing the BloodBrain Barrier to Treatment. 2019 , 36, 1900195	25
305	Citrate-based fluorophore-modified cellulose nanocrystals as a biocompatible fluorescent probe for detecting ferric ions and intracellular imaging. 2019 , 224, 115198	16
304	Cationic versus anionic core-shell nanogels for transport of cisplatin to lung cancer cells. 2019 , 182, 110365	9
303	Fabrication of Light-Colored Lignin Microspheres for Developing Natural Sunscreens with Favorable UV Absorbability and Staining Resistance. 2019 , 58, 13858-13867	25
302	Mesoporous silica nanoparticles for tissue-engineering applications. 2019 , 11, e1573	43
301	Silica nanoparticle surface chemistry: An important trait affecting cellular biocompatibility in two and three dimensional culture systems. 2019 , 182, 110353	9
300	Current trends and challenges in cancer management and therapy using designer nanomaterials. 2019 , 6, 23	260
299	Unexpected Size Effect: The Interplay between Different-Sized Nanoparticles in Their Cellular Uptake. <i>Small</i> , 2019 , 15, e1901687	11 24
298	Catechins-Modified Selenium-Doped Hydroxyapatite Nanomaterials for Improved Osteosarcoma Therapy Through Generation of Reactive Oxygen Species. 2019 , 9, 499	22
297	Facile large-scale synthesis of mesoporous silica nanoparticles at room temperature in a monophasic system with fine size control. 2019 , 288, 109595	6
296	Intratumor Performance and Therapeutic Efficacy of PAMAM Dendrimers Carried by Clustered Nanoparticles. 2019 , 19, 8947-8955	27

295	Impacts of Organomodified Nanoclays and Their Incinerated Byproducts on Bronchial Cell Monolayer Integrity. 2019 , 32, 2445-2458	3
294	Immobilized Ni Clusters in Mesoporous Aluminum Silica Nanospheres for Catalytic Hydrogenolysis of Lignin. 2019 , 7, 19034-19041	22
293	Endocytosis mechanism in physiologically-based pharmacokinetic modeling of nanoparticles. 2019 , 384, 114765	5
292	A Dynamic 3D Tumor Spheroid Chip Enables More Accurate Nanomedicine Uptake Evaluation. 2019 , 6, 1901462	20
291	Effect on Platelet Function of Metal-Based Nanoparticles Developed for Medical Applications. 2019 , 6, 139	16
290	Enzyme-Powered Nanomotors with Controlled Size for Biomedical Applications. 2019 , 13, 10191-10200	66
289	Quantum Dots in Ophthalmology: A Literature Review. 2019 , 44, 1037-1046	3
288	Development and in vitro safety evaluation of pramipexole-loaded hollow mesoporous silica (HMS) particles. 2019 , 33, 1204-1215	11
287	Magnetic nanotechnology for circulating tumor biomarkers screening: Rational design, microfluidics integration and applications. 2019 , 13, 051501	12
286	Nanosilica: Recent Progress in Synthesis, Functionalization, Biocompatibility, and Biomedical Applications. 2019 , 5, 4882-4898	53
285	Resveratrol loaded oxidized mesoporous carbon nanoparticles: A promising tool to treat triple negative breast cancer. 2019 , 519, 378-384	12
284	Nanoparticle-based drug delivery via RBC-hitchhiking for the inhibition of lung metastases growth. 2019 , 11, 1636-1646	81
283	Preparation of albumin nanoparticles: Optimum size for cellular uptake of entrapped drug (Curcumin). 2019 , 567, 86-95	20
282	Sonochemical synthesis of a nanodandelion tin(IV) complex with carbacylamidophosphate ligand as anti-Alzheimer agent: Molecular docking study. 2019 , 55, 207-216	8
281	Comparative toxicity of PEG and folate-derived blue-emitting silicon nanoparticles: in vitro and in vivo studies. 2019 , 14, 375-385	4
280	Bioceramics: from bone substitutes to nanoparticles for drug delivery. 2019 , 91, 687-706	12
279	Internal surface electric charge characterization of mesoporous silica. 2019 , 9, 137	13
278	Dual-Wavelength Laser Flash Raman Spectroscopy Method for In-Situ Measurements of the Thermal Diffusivity: Principle and Experimental Verification. 2019 , 28, 159-168	12

277	Fluorescence-Based Ratiometric Nanosensor for Selective Imaging of Cancer Cells. 2019 , 4, 1592-1600	5
276	Macrophage cell tracking PET imaging using mesoporous silica nanoparticles via in vivo bioorthogonal F-18 labeling. 2019 , 199, 32-39	17
275	Superparamagnetic γ -Fe ₃ O ₄ : A novel, efficient and biocompatible nanoparticles for treatment of cancer by nanohyperthermia. 2019 , 6, 0850a6	7
274	Inhibition of metal-induced amyloid β peptide aggregation by a blood-brain barrier permeable silica-cyclen nanochelator.. 2019 , 9, 14126-14131	6
273	Polymeric Mesoporous Silica Nanoparticles for Enhanced Delivery of 5-Fluorouracil In Vitro. 2019 , 11,	36
272	A biomolecule-assisted one-pot synthesis of zinc oxide nanoparticles and its bioconjugate with curcumin for potential multifaceted therapeutic applications. 2019 , 43, 11934-11948	25
271	Size-dependent cellular uptake and localization profiles of silver nanoparticles. 2019 , 14, 4247-4259	97
270	Silica-Coated TiN Particles for Killing Cancer Cells. 2019 , 11, 22550-22560	21
269	Redox-Responsive and Dual-Targeting Hyaluronic Acid-Methotrexate Prodrug Self-Assembling Nanoparticles for Enhancing Intracellular Drug Self-Delivery. 2019 , 16, 3133-3144	13
268	In vitro anticancer activity of folate-modified docetaxel-loaded PLGA nanoparticles against drug-sensitive and multidrug-resistant cancer cells. 2019 , 10,	20
267	Dual Delivery of HNF4 α and Cisplatin by Mesoporous Silica Nanoparticles Inhibits Cancer Pluripotency and Tumorigenicity in Hepatoma-Derived CD133-Expressing Stem Cells. 2019 , 11, 19808-19818	25
266	Controlled drug delivery systems for cancer based on mesoporous silica nanoparticles. 2019 , 14, 3389-3401	64
265	New insights towards mesoporous silica nanoparticles as a technological platform for chemotherapeutic drugs delivery. 2019 , 564, 379-409	59
264	An overview of active and passive targeting strategies to improve the nanocarriers efficiency to tumour sites. 2019 , 71, 1185-1198	287
263	Intrinsic fluorescence from cellulose nanofibers and nanoparticles at cell friendly wavelengths. 2019 , 4, 020803	9
262	Tunable porous silica nanoparticles as a universal dye adsorbent.. 2019 , 9, 11212-11219	22
261	Smart Mesoporous Silica Nanoparticles for Protein Delivery. 2019 , 9,	29
260	Degradability and Clearance of Inorganic Nanoparticles for Biomedical Applications. 2019 , 31, e1805730	164

259	Impact of Nanoparticle Shape, Size, and Properties of the Sustainable Nanocomposites. 2019 , 313-336	9
258	Development of MCM-41 mesoporous silica nanoparticles as a platform for pramipexole delivery. 2019 , 51, 26-35	12
257	Electrostatics and Interactions of an Ionizable Silica Nanoparticle Approaching a Plasma Membrane. 2019 , 35, 4171-4181	1
256	Enhanced mesenchymal stem cell proliferation through complexation of selenium/titanium nanocomposites. 2019 , 30, 24	17
255	Epigenetic Aspects of Engineered Nanomaterials: Is the Collateral Damage Inevitable?. 2019 , 7, 228	22
254	Design Rules for Mesoporous Silica toward the Nanosize: A Systematic Study. 2019 , 11, 47237-47246	6
253	Mesoporous silica hybrids as an antireflective coating to enhance light harvesting and achieve over 16% efficiency of organic solar cells. 2019 , 7, 14962-14969	7
252	Effects of nano-sizing on lipid bioaccessibility and ex vivo bioavailability from EPA-DHA rich oil in water nanoemulsion. 2019 , 275, 135-142	26
251	Versatile Types of Organic/Inorganic Nanohybrids: From Strategic Design to Biomedical Applications. 2019 , 119, 1666-1762	208
250	Different cytotoxic and apoptotic responses of MCF-7 and HT1080 cells to MnO nanoparticles are based on similar mode of action. 2019 , 411, 71-80	21
249	Mesoporous Silica as a Versatile Platform for Cancer Immunotherapy. 2019 , 31, e1803953	72
248	Mesoporous silica nanoparticles for therapeutic/diagnostic applications. 2019 , 109, 1100-1111	181
247	Multiscale Modeling and Simulation of Nano-Carriers Delivery through Biological Barriers: A Review. 2019 , 2, 1800105	25
246	Mesoporous silica nanoparticles: Synthesis, pharmaceutical applications, biodistribution, and biosafety assessment. 2019 , 359, 684-705	99
245	Identifying Trends in Gold Nanoparticle Toxicity and Uptake: Size, Shape, Capping Ligand, and Biological Corona. 2019 , 4, 242-256	92
244	Development of gold-core silica shell nanospheres coated with poly-2-ethyl-oxazoline and γ -cyclodextrin aimed for cancer therapy. 2019 , 98, 960-968	19
243	Mesoporous silica-coated gold nanoframes as drug delivery system for remotely controllable chemo-photothermal combination therapy. 2019 , 176, 230-238	23
242	Critical Features for Mesoporous Silica Nanoparticles Encapsulated into Erythrocytes. 2019 , 11, 4790-4798	19

241	Mesoporous Bioactive Glasses: Fabrication, Structure, Drug Delivery Property, and Therapeutic Potential. 2019 , 127-151	2
240	Synthesis and evaluation of the antiproliferative efficacy of BRM270 phytocomposite nanoparticles against human hepatoma cancer cell lines. 2019 , 97, 166-176	3
239	Functional mesoporous silica nanoparticles for bio-imaging applications. 2019 , 11, e1515	43
238	Supramolecular Nanodrugs Constructed by Self-Assembly of Peptide Nucleic Acid-Photosensitizer Conjugates for Photodynamic Therapy.. 2020 , 3, 2-9	17
237	Dual soft-templated congenerous assembly to raspberry-shaped mesoporous carbon nanoparticles with hierarchical mesopores. 2020 , 293, 109803	6
236	Nanoengineering of uniform and monodisperse mesoporous carbon nanospheres mediated by long hydrophilic chains of triblock copolymers. 2020 , 55, 2052-2067	4
235	Bioactive silica nanoparticles with calcium and phosphate for single dose osteogenic differentiation. 2020 , 107, 110348	12
234	Interdependence of charge and secondary structure on cellular uptake of cell penetrating peptide functionalized silica nanoparticles. 2020 , 2, 453-462	14
233	Silica nanocarriers with user-defined precise diameters by controlled template self-assembly. 2020 , 561, 609-619	18
232	An Oxygen Self-Evolving, Multistage Delivery System for Deeply Located Hypoxic Tumor Treatment. 2020 , 9, e1901303	16
231	Protein corona impact on nanoparticle-cell interactions: toward an energy-based model of endocytosis. 2020 , 32, 115101	9
230	Adhesion, intake, and release of nanoparticles by lipid bilayers. 2020 , 561, 58-70	6
229	Aptamer-conjugated mesoporous silica nanoparticles for simultaneous imaging and therapy of cancer. 2020 , 123, 115759	22
228	NIR powered Janus nanocarrier for deep tumor penetration. 2020 , 18, 100504	21
227	Biomedical application of mesoporous silica nanoparticles as delivery systems: a biological safety perspective. 2020 , 8, 9863-9876	13
226	Barriers for Tumor Drug Delivery. 2020 , 5-26	1
225	One-pot synthesis of poly(alkyl methacrylate)-functionalized mesoporous silica hybrid nanocomposites for microencapsulation of poorly soluble phytochemicals. 2020 , 37, 100298	2
224	Silica-Based Gene Delivery Systems: From Design to Therapeutic Applications. 2020 , 12,	14

223	Simultaneous Single-Particle Tracking and Dynamic pH Sensing Reveal Lysosome-Targetable Mesoporous Silica Nanoparticle Pathways. 2020 , 12, 42472-42484	5
222	Stability of Lipid Coatings on Nanoparticle-Decorated Surfaces. 2020 ,	5
221	Blowup of Accidental Images as a Passageway to Discovery: Insights into the Interaction between Hydroxyapatite Nanoparticles and Human Mesenchymal Stem Cells. 2020 , 10, 8204	0
220	tumor-triggered subcellular precise delivery of multi-drugs for enhanced chemo-photothermal-starvation combination antitumor therapy. 2020 , 10, 12158-12173	3
219	The Interactions of Quantum Dot-Labeled Silk Fibroin Micro/Nanoparticles with Cells. 2020 , 13,	1
218	Electrophoretic extraction of highly monodispersed graphene quantum dots from widely polydispersed bulk and its cytotoxicity effect against cancer cells. 2020 , 159, 105391	4
217	Chitosan based pH-responsive polymeric prodrug vector for enhanced tumor targeted co-delivery of doxorubicin and siRNA. 2020 , 250, 116781	26
216	Systematic Study of Perfluorocarbon Nanoemulsions Stabilized by Polymer Amphiphiles. 2020 , 12, 38887-38898	5
215	Recent advances in stimuli-responsive drug release and targeting concepts using mesoporous silica nanoparticles. 2020 , 3, 407-425	24
214	Recent Advances in Combination of Copper Chalcogenide-Based Photothermal and Reactive Oxygen Species-Related Therapies. 2020 , 6, 4799-4815	17
213	A Monte Carlo study on the effect of nanoparticle shapes on dose enhancement and distribution using ¹⁹⁷ Au and ¹⁹⁵ Pt. 2020 , 13, 698-703	
212	A new approach for cancer treatment: from specific induction of breast cancer to innovative gold-nanoparticle mediated thermal therapies. 2020 , 269-298	
211	Mesoporous silica nanoparticles: facile surface functionalization and versatile biomedical applications in oncology. 2020 , 116, 1-15	31
210	A framework for designing delivery systems. 2020 , 15, 819-829	107
209	Toxicology of Nanoparticles: Insights from Drosophila. 2020 ,	1
208	STING Activator c-di-GMP-Loaded Mesoporous Silica Nanoparticles Enhance Immunotherapy Against Breast Cancer. 2020 , 12, 56741-56752	16
207	Facile Preparation of Macromolecular Prodrugs for Hypoxia-Specific Chemotherapy. 2020 , 9, 1687-1692	4
206	Systemic Delivery Technologies in Anti-Aging Medicine: Methods and Applications. 2020 ,	

205	Enhancing the Cellular Uptake and Antibacterial Activity of Rifampicin through Encapsulation in Mesoporous Silica Nanoparticles. 2020 , 10,	9
204	Biocompatible pH-Responsive Luminescent Coacervate Nanodroplets from Carbon Dots and Poly(diallyldimethylammonium chloride) toward Theranostic Applications. 2020 , 3, 5826-5837	6
203	Repair of Tea Polysaccharide Promotes the Endocytosis of Nanocalcium Oxalate Monohydrate by Damaged HK-2 Cells. 2020 , 2020, 2198976	3
202	Radiolabeling, Cell Uptake, and Photodynamic Therapy Potential of Targeted Mesoporous Silica Nanoparticles Containing Zinc Phthalocyanine. 2020 , 17, 2648-2659	4
201	Mesoporous FeO@SiO ₂ -hydroxyapatite nanocomposite: Green sonochemical synthesis using strawberry fruit extract as a capping agent, characterization and their application in sulfasalazine delivery and cytotoxicity. 2020 , 400, 123140	48
200	Systematic Evaluation of PKH Labelling on Extracellular Vesicle Size by Nanoparticle Tracking Analysis. 2020 , 10, 9533	29
199	Molecular and cellular cues governing nanomaterial-mucosae interactions: from nanomedicine to nanotoxicology. 2020 , 49, 5058-5100	14
198	Allergy and Immunotoxicology in Occupational Health - The Next Step. 2020 ,	
197	Particle-Size-Dependent Delivery of Antitumoral miRNA Using Targeted Mesoporous Silica Nanoparticles. 2020 , 12,	13
196	Biocompatibility and Functionalization of Nanomaterials. 2020 , 85-103	0
195	Cell-nanoparticle interactions. 2020 , 125-142	
194	Controllable synthesis of versatile mesoporous organosilica nanoparticles as precision cancer theranostics. 2020 , 256, 120191	33
193	Nanotechnology for Energy and Environmental Engineering. 2020 ,	3
192	Cellular Interaction Regulation by Protein Corona Control of Molecularly Imprinted Polymer Nanogels Using Intrinsic Proteins. 2020 , 2, 1465-1473	5
191	Emerging and Innovative Theranostic Approaches for Mesoporous Silica Nanoparticles in Hepatocellular Carcinoma: Current Status and Advances. 2020 , 8, 184	8
190	Development of Dual Functional Nucleic Acid Delivery Nanosystem for DNA Induced Silencing of Bcl-2 Oncogene. 2020 , 15, 1693-1708	13
189	Overcoming blood-brain barrier transport: Advances in nanoparticle-based drug delivery strategies. 2020 , 37, 112-125	75
188	Studies of nanoparticle delivery with bio-engineered microtissues. 2020 , 5, 924-937	23

187	Biodegradable nano-organosilica gene carrier for high-efficiency gene transfection. 2020 , 8, 2483-2494	4
186	Different sources of silicon precursors influencing on surface characteristics and pore morphologies of mesoporous silica nanoparticles. 2020 , 513, 145568	11
185	Smart drug delivery: Capping strategies for mesoporous silica nanoparticles. 2020 , 299, 110115	52
184	Superiority of L-tartaric Acid Modified Chiral Mesoporous Silica Nanoparticle as a Drug Carrier: Structure, Wettability, Degradation, Bio-Adhesion and Biocompatibility. 2020 , 15, 601-618	19
183	Where does the cargo go?: Solutions to provide experimental support for the "extracellular vesicle cargo transfer hypothesis". 2020 , 14, 135-146	22
182	Molecular and Cellular Risk Assessment of Healthy Human Cells and Cancer Human Cells Exposed to Nanoparticles. 2019 , 21,	10
181	Virus-mimicking mesoporous organosilica nanocapsules with soft framework and rough surface for enhanced cellular uptake and tumor penetration. 2020 , 8, 2227-2233	8
180	Catcher in the rel: Nanoparticles-antibody conjugate as NF- κ B nuclear translocation blocker. 2020 , 246, 119997	8
179	Biphenyl Wrinkled Mesoporous Silica Nanoparticles for pH-Responsive Doxorubicin Drug Delivery. 2020 , 13,	9
178	Mechanical Regulation of Endocytosis: New Insights and Recent Advances. 2020 , 4, e1900278	12
177	Nanoarchitected Structure and Surface Biofunctionality of Mesoporous Silica Nanoparticles. 2020 , 32, e1907035	153
176	Comprehensive understanding of the synthesis and formation mechanism of dendritic mesoporous silica nanospheres. 2020 , 2, 1792-1810	21
175	Composites of mesoporous silica precipitated on nanofibrillated cellulose and microfibrillated cellulose: Effect of fibre diameter and reaction conditions on particle size and mesopore diameter. 2021 , 311, 110701	6
174	Synthesis, structural properties, biosafety and applications of chiral mesoporous silica nanostructures. 2021 , 421, 127862	7
173	Exploiting mesoporous silica nanoparticles as versatile drug carriers for several routes of administration. 2021 , 312, 110774	18
172	Harnessing the nano-bio interface: Application of membrane coating to long acting silica particles. 2021 , 158, 382-389	0
171	Polyelectrolyte complex templated synthesis of monodisperse, sub-100 nm porous silica nanoparticles for cancer targeted and stimuli-responsive drug delivery. 2021 , 584, 669-683	5
170	Advances in Dental Implantology using Nanomaterials and Allied Technology Applications. 2021 ,	0

169	Harnessing the biocatalytic attributes and applied perspectives of nanoengineered laccases-A review. 2021 , 166, 352-373	21
168	Impact of morphology and collagen-functionalization on the redox equilibria of nanoceria for cancer therapies. 2021 , 120, 111663	3
167	Physical properties of nanoparticles do matter. 2021 , 51, 35-51	12
166	Size Effect of Mesoporous Silica Nanoparticles on Pesticide Loading, Release, and Delivery in Cucumber Plants. 2021 , 11, 575	4
165	Confocal Laser Scanning Microscopy and Fluorescence Correlation Methods for the Evaluation of Molecular Interactions. 2021 , 1310, 1-30	2
164	Delivery of Natural Agents by Means of Mesoporous Silica Nanospheres as a Promising Anticancer Strategy. 2021 , 13,	11
163	Mesoporous silica coated CeO nanozymes with combined lipid-lowering and antioxidant activity induce long-term improvement of the metabolic profile in obese Zucker rats. 2021 , 13, 8452-8466	8
162	Multifunctional gold nanostar conjugates for tumor imaging and combined photothermal and chemotherapy in cancer. 2021 , 233-249	
161	Rambutan-like silica nanoparticles at tailored particle sizes for plasmid DNA delivery. 2021 , 56, 5830-5844	6
160	Fast and Accurate Nanoparticle Characterization Using Deep-Learning-Enhanced Off-Axis Holography. 2021 , 15, 2240-2250	14
159	Mesoporous silica-biopolymer-based systems in drug delivery applications. 2021 , 313-347	
158	Dual Encapsulated Dacarbazine and Zinc Phthalocyanine Polymeric Nanoparticle for Photodynamic Therapy of Melanoma. 2021 , 38, 335-346	8
157	Mechanism of Mesoporous Silica Nanoparticle Interaction with Hairy Root Cultures during Nano harvesting of Biomolecules. 2021 , 5, e2000173	2
156	pH-dependent delivery of chlorhexidine from PGA grafted mesoporous silica nanoparticles at resin-dentin interface. 2021 , 19, 43	21
155	Synergic effects of nanoparticles-mediated hyperthermia in radiotherapy/chemotherapy of cancer. 2021 , 269, 119020	29
154	Nanoplatforms for Targeted Stimuli-Responsive Drug Delivery: A Review of Platform Materials and Stimuli-Responsive Release and Targeting Mechanisms. 2021 , 11,	8
153	Advances in regulating physicochemical properties of mesoporous silica nanocarriers to overcome biological barriers. 2021 , 123, 72-92	8
152	Embracing nanomaterials' interactions with the innate immune system. 2021 , 13, e1719	1

151	Methods of Encapsulation of Biomacromolecules and Living Cells. Prospects of Using Metal-Organic Frameworks. 2021 , 57, 491-505	0
150	Nanochemistry Modulates Intracellular Decomposition Routes of S-Nitrosothiol Modified Silica-Based Nanoparticles. <i>Small</i> , 2021 , 17, e2007671	11 1
149	Bacteriophage uptake by mammalian cell layers represents a potential sink that may impact phage therapy. 2021 , 24, 102287	28
148	Mesoporous silica nanoparticle: heralding a brighter future in cancer nanomedicine. 2021 , 319, 110967	8
147	A polymeric micellar drug delivery system developed through a design of Experiment approach improves pancreatic tumor accumulation of calcipotriol and paclitaxel. 2021 , 601, 120523	3
146	Assembly of multifunction dyes and heat shock protein 90 inhibitor coupled to bovine serum albumin in nanoparticles for multimodal photodynamic/photothermal/chemo-therapy. 2021 , 590, 290-300	13
145	Synergistic effects of adipose-derived mesenchymal stem cells and selenium nanoparticles on streptozotocin-induced memory impairment in the rat. 2021 , 272, 119246	6
144	Can the Shape of Nanoparticles Enable the Targeting to Cancer Cells over Healthy Cells?. 2021 , 31, 2007880	7
143	Novel Strategies for Disrupting Cancer-Cell Functions with Mitochondria-Targeted Antitumor Drug-Loaded Nanoformulations. 2021 , 16, 3907-3936	8
142	Mesoporous Silica Based Nanostructures for Bone Tissue Regeneration. 2021 , 8,	11
141	Surface Polarity-Insensitive Organosilicasome-Based Clustering of Nanoparticles with Intragap Distance Tunability. 2021 , 33, 5257-5267	0
140	Effects of Co-Solvent Nature and Acid Concentration in the Size and Morphology of Wrinkled Mesoporous Silica Nanoparticles for Drug Delivery Applications. 2021 , 26,	1
139	Protective effect of lipoic acid modification on brain dysfunctions of mice induced by mesoporous silica nanoparticles. 2021 , 415, 128957	2
138	Selenium nanoparticles inhibit the formation of atherosclerosis in apolipoprotein E deficient mice by alleviating hyperlipidemia and oxidative stress. 2021 , 902, 174120	5
137	Phage co-transport with hyphal-riding bacteria fuels bacterial invasion in water-unsaturated microbial ecosystems.	0
136	ROS responsive mesoporous silica nanoparticles for smart drug delivery: A review. 2021 , 64, 102599	8
135	Influencing factors and strategies of enhancing nanoparticles into tumors. 2021 , 11, 2265-2285	21
134	Using Gold-Nanorod-Filled Mesoporous Silica Nanobeads for Enhanced Radiotherapy of Oral Squamous Carcinoma. 2021 , 11,	2

133	Cartilage-targeting peptide-modified dual-drug delivery nanoplatfrom with NIR laser response for osteoarthritis therapy. 2021 , 6, 2372-2389	22
132	Silver Nanoparticles Derived by 'Reveal Anticancer and Apoptosis-Inducing Effects. 2021 , 22,	3
131	Scalable synthesis of multicomponent multifunctional inorganic core@mesoporous silica shell nanocomposites. 2021 , 128, 112272	1
130	Synthesis of sub-50 nm bio-inspired silica particles using a C-terminal-modified ferritin template with a silica-forming peptide. 2021 , 101, 262-269	2
129	Application of Non-Viral Vectors in Drug Delivery and Gene Therapy. 2021 , 13,	6
128	A Co-Doped FeO Nanozyme Shows Enhanced Reactive Oxygen and Nitrogen Species Scavenging Activity and Ameliorates the Deleterious Effects of Ischemic Stroke. 2021 , 13, 46213-46224	7
127	Long-term administration of low-dose selenium nanoparticles with different sizes aggravated atherosclerotic lesions and exhibited toxicity in apolipoprotein E-deficient mice. 2021 , 347, 109601	3
126	Distinct Methodologies to Produce Capped Mesoporous Silica with Hydroxyapatite and the Influence in Intracellular Signaling as Cytotoxicity on Human Umbilical Vein Endothelial Cells. 2021 , 8,	1
125	Targeted combined therapy in 2D and 3D cultured MCF-7 cells using metformin and erlotinib-loaded mesoporous silica magnetic nanoparticles. 2021 , 38, 472-485	2
124	Shape-dependent intracellular uptake of metal-organic framework nanoparticles. 2021 ,	0
123	Engineering Metal Nanoclusters for Targeted Therapeutics: From Targeting Strategies to Therapeutic Applications. 2105662	11
122	Nanotechnology as a promising platform for rheumatoid arthritis management: Diagnosis, treatment, and treatment monitoring. 2021 , 609, 121137	2
121	Dyes adsorption from aqueous media through the nanotechnology: A review. 2021 , 14, 2195-2218	25
120	Impact of macroporous silica nanoparticles at sub-50nm on bio-behaviors and biosafety in drug-resistant cancer models. 2021 , 206, 111912	2
119	Preparation and evaluation of mesoporous silica nanoparticles loaded quercetin against bacterial infections in <i>Oreochromis niloticus</i> . 2021 , 21, 100808	3
118	Mesoporous nanosilica loaded with doxycycline to enhance antimicrobial property and mechanical strength at hybrid layer. 2021 , 111, 102975	3
117	Size-Dependent Penetration of Gold Nanoprobes into Fixed Cells. 2021 , 6, 3791-3799	1
116	Application of Nanotechnology in Diagnosis and Therapeutics. 2020 , 413-440	2

115	Understanding the Interaction of Nanopesticides with Plants. 2020 , 69-109	4
114	Rhodamine Conjugated Gelatin Methacryloyl Nanoparticles for Stable Cell Imaging.. 2020 , 3, 6908-6918	5
113	Bacteriophage uptake by Eukaryotic cell layers represents a major sink for phages during therapy.	5
112	Exosome labeling by lipophilic dye PKH26 results in significant increase in vesicle size.	9
111	Effects of transport inhibitors on the cellular uptake of carboxylated polystyrene nanoparticles in different cell lines. 2011 , 6, e24438	275
110	Mesoporous Silica Nanoparticles as a Prospective and Promising Approach for Drug Delivery and Biomedical Applications. 2019 , 19, 285-295	17
109	Formulation and Cytotoxicity of Ribosome-Inactivating Protein Mirabilis Jalapa L. Nanoparticles Using Alginate-Low Viscosity Chitosan Conjugated with Anti-Epcam Antibodies in the T47D Breast Cancer Cell Line. 2016 , 17, 2277-84	6
108	Molecular simulation of interaction between charged nanoparticles and phase-separated biomembranes containing charged lipids. 2019 , 68, 028701	2
107	Interfacial Assembly and Applications of Functional Mesoporous Materials. 2021 , 121, 14349-14429	24
106	Self-assembled theranostic microcarrier targeting tumor cells with high metastatic potential. 2021 , 212, 110196	1
105	Rare earth smart nanomaterials for bone tissue engineering and implantology: Advances, challenges, and prospects.. 2022 , 7, e10262	2
104	Active Targeting Significantly Outperforms Nanoparticle Size in Facilitating Tumor-Specific Uptake in Orthotopic Pancreatic Cancer. 2021 , 13, 49614-49630	4
103	Bone Tissue Regeneration. 2012 , 183-204	1
102	Porous Silica Nanoparticles for Drug Delivery and Controlled Release. 2014 , 290-327	
101	Investigating Micronucleus Changes in Mouse Lymphocytes Due to Exposure to Silica Dust. 2019 , 9, 17-21	
100	Introduction to Molecular Imaging, Diagnostics, and Therapy. 2020 , 11-26	
99	Safe Dose of Nanoparticles: A Boon for Consumer Goods and Biomedical Application. 2020 , 107-122	
98	A nanoplatform of hollow Ag ₂ S/Ag nanocomposite shell for photothermal and enhanced sonodynamic therapy mediated by photoacoustic and CT imaging. 2021 , 433, 133196	0

97	The Mesopores of Raphid Pennate Diatoms: Toward Natural Controllable Anisotropic Mesoporous Silica Microparticles. 2021 , 383-409	
96	Immune Toxicity of and Allergic Responses to Nanomaterials. 2020 , 37-46	
95	Atom transfer radical-polymerized cationic shells on gold nanoparticles for near infrared-triggered photodynamic therapy of tumor-bearing animals. 2021 , 9, 9700-9710	1
94	Surface Modification Strategies in Enhancing Systemic Delivery Performance. 2020 , 365-392	0
93	Multifunctional Mesoporous Silica Nanoparticles for Biomedical Applications. 2020 , 213-235	
92	Study of near-infrared light-induced excitation of upconversion nanoparticles as a vector for non-viral DNA delivery.. 2020 , 10, 41013-41021	3
91	Silica Based Nanomaterial for Drug Delivery. 2021 , 57-89	2
90	Nanobiomaterials in Craniofacial Bone Regeneration. 2021 , 25-52	
89	Effects of Nonporous Silica Nanoparticles on Human Trabecular Meshwork Cells. 2021 , 30, 195-202	1
88	Modulating Osteoimmune Responses by Mesoporous Silica Nanoparticles. 2021 ,	0
87	Mesoporous Silica Nanoparticle-Based Imaging Agents for Hepatocellular Carcinoma Detection. 2021 , 9, 749381	0
86	Effect of the disulfide bond and polyethylene glycol on the degradation and biophysicochemical properties of polyurethane micelles.. 2022 ,	2
85	In Vitro and Ex Vivo Investigation of the Effects of Polydopamine Nanoparticle Size on Their Antioxidant and Photothermal Properties: Implications for Biomedical Applications. 2022 , 5, 1702-1713	5
84	Newly Emerged 2D Mesoporous Silica Nanoparticles: Role in Target-Setting Biomedicines. 2022 , 197-221	
83	Medium controlled aggregative growth as a key step in mesoporous silica nanoparticle formation.. 2022 , 615, 236-247	0
82	Recent Advances of Mesoporous Silica as a Platform for Cancer Immunotherapy.. 2022 , 12,	2
81	How the Physicochemical Properties of Manufactured Nanomaterials Affect Their Performance in Dispersion and Their Applications in Biomedicine: A Review.. 2022 , 12,	2
80	Phage co-transport with hyphal-riding bacteria fuels bacterial invasion in a water-unsaturated microbial model system.. 2021 ,	4

- 79 Surface functionalization of magnetic nanoparticles: potentials for biomedical applications. **2022**, 237-253
- 78 Review on Template Removal Techniques for Synthesis of Mesoporous Silica Materials. **2022**, 36, 2424-2446 2
- 77 Antisense -Loaded Dendritic Mesoporous Silica Nanoparticles Regulate the Biofilm Organization and Cariogenicity of .. **2022**, 17, 1255-1272 0
- 76 Synergistic Entry of Individual Nanoparticles into Mammalian Cells Driven by Free Energy Decline and Regulated by Their Sizes.. **2022**, 1
- 75 Mesoporous Silica-Coated Gold Nanoparticles for Multimodal Imaging and Reactive Oxygen Species Sensing of Stem Cells.. **2022**, 5, 3237-3251 2
- 74 PEG-4000 formed polymeric nanoparticles loaded with cetuximab downregulate p21 & stathmin-1 gene expression in cancer cell lines.. **2022**, 120403 2
- 73 Functionalization of mesoporous silica nanoparticles through one-pot co-condensation in w/o emulsion. **2022**, 335, 111833 1
- 72 Macrophages Actively Transport Nanoparticles in Tumors After Extravasation.. **2022**, 2
- 71 Data_Sheet_1.pdf. **2019**,
- 70 Safety Assessment of Different Unloaded Polymeric Nanocapsules in Caenorhabditis Elegans.
- 69 How Advancing are Mesoporous Silica Nanoparticles? A Comprehensive Review of the Literature.. **2022**, 17, 1803-1827 1
- 68 Catalytic Complete Cleavage of C=O and C-H Bonds in Biomass to Natural Gas over Ru(0). **2022**, 12, 5549-5558 0
- 67 Dual control of external surface and internal pore structure of small ordered mesoporous silica particles directed by mixed polyion complex micelles. **2022**, 338, 111915 0
- 66 A pH-response multifunctional nanoplatfrom based on NaGdF4:Yb,Er,Fe@Ce6@mSiO2-DOX for synergistic photodynamic/chemotherapy of cancer cells. **2022**, 15, 103934
- 65 Surface Functionalization of Silica Nanoparticles: Strategies to Optimize the Immune-Activating Profile of Carrier Platforms. **2022**, 14, 1103 0
- 64 On Nanoteranostics and Breath Analysis of Cancer Tumor. **2022**, 57, 198-208 0
- 63 Peptide-decorated nanocarriers penetrating the blood-brain barrier for imaging and therapy of brain diseases. **2022**, 114362 0
- 62 Controllable Synthesis of BiOCl with Z-Scheme (001)/(110) Facet Homojunction and their Photocatalytic Killing Effect on HePG2 Cells in vitro.

61 Mineralized vectors for gene therapy. **2022**,

60 ~~REPERFORATED~~ **2022**, 57, 288-305

59 Chitosan/alginate bionanocomposites adorned with mesoporous silica nanoparticles for bone tissue engineering. 2

58 Evaluation of the therapeutic effect of mesoporous silica nanoparticles loaded with Gallic acid on reserpine-induced depression in Wistar rats. **2022**, 23, 0

57 Use of Nanoparticles in Theranostics and Breath Analysis of Patients with Cancer. 3-13

56 Biodegradable Imiquimod-Loaded Mesoporous Organosilica as a Nanocarrier and Adjuvant for Enhanced and Prolonged Immunity against Foot-and-Mouth Disease Virus in Mice. **2022**, 5, 3095-3106 1

55 Intercomparison of radiosensitization induced by gold and iron oxide nanoparticles in human glioblastoma cells irradiated by 6 MV photons. **2022**, 12, 1

54 Preparation of monodispersed mesoporous silica using imidazolium ionic liquids under a neutral condition.

53 Nano-Drug Carriers: A Potential Approach towards Drug Delivery Methods. **2022**, 7, 1

52 bFGF-Loaded Mesoporous Silica Nanoparticles Promote Bone Regeneration Through the Wnt/ β Catenin Signalling Pathway. Volume 17, 2593-2608 2

51 Modeling the interaction of polymeric nanoparticles functionalized with cell penetrating peptides at the nano-bio interface. **2022**, 217, 112626 0

50 Caveolin-initiated macropinocytosis is required for efficient silica nanoparticles transcytosis across the alveolar epithelial barrier. **2022**, 12, 0

49 Bridging Size and Charge Effects of Mesoporous Silica Nanoparticles for Crossing the Blood-Brain Barrier. 10, 0

48 Size-Dependent Cytoprotective Effects of Selenium Nanoparticles during Oxygen-Glucose Deprivation in Brain Cortical Cells. **2022**, 23, 7464 1

47 Simple Model of the Electrophoretic Migration of Spherical and Rod-shaped Au Nanoparticles in Gels with Varied Mesh Sizes. **2022**, 129716 1

46 Functionalized Mesoporous Silica Nanoparticles for Drug-Delivery to Multidrug-Resistant Cancer Cells. Volume 17, 3079-3096 0

45 A Porous Bimetallic Au@Pt Core-Shell Oxygen Generator to Enhance Hypoxia-Dampened Tumor Chemotherapy Synergized with NIR-II Photothermal Therapy. 3

44 Internalization Study of Nanosized Zeolite Crystals in Human Glioblastoma Cells. **2022**, 112732 0

43	Nanodevices for the Efficient Codelivery of CRISPR-Cas9 Editing Machinery and an Entrapped Cargo: A Proposal for Dual Anti-Inflammatory Therapy. 2022 , 14, 1495	0
42	How can we use the endocytosis pathways to design nanoparticle drug-delivery vehicles to target cancer cells over healthy cells?.	1
41	Long-Circulation and Brain Targeted Isoliquiritigenin Micelle Nanoparticles: Formation, Characterization, Tissue Distribution, Pharmacokinetics and Effects for Ischemic Stroke. Volume 17, 3655-3670	
40	Preparation of size-tunable sub-200 nm PLGA-based nanoparticles with a wide size range using a microfluidic platform. 2022 , 17, e0271050	1
39	Heparosan-based self-assembled nanocarrier for zinc(II) phthalocyanine for use in photodynamic cancer therapy. 2022 , 219, 31-43	
38	Transcytosis-enabled active extravasation of tumor nanomedicine. 2022 , 189, 114480	2
37	Delivery of LINC00589 via mesoporous silica nanoparticles inhibits peritoneal metastasis in gastric cancer. 2022 , 549, 215916	0
36	Site-selective modification of metallic nanoparticles. 2022 , 58, 9728-9741	1
35	Highly stable and water dispersible polymer-coated CsPbBr ₃ nanocrystals for Cu-ion detection in water.	1
34	Accumulation and Distribution of Nanoplastics in Zacco Platypus: Effects on Behavior and Toxicity.	0
33	Organic-Inorganic Nanohybrids in Medicine. 2022 , 77-106	0
32	Engineering nano-drug biointerface to overcome biological barriers toward precision drug delivery. 2022 , 20,	3
31	H ₂ O ₂ -Responsive Nanocarriers Prepared by RAFT-Mediated Polymerization-Induced Self-Assembly of N-(2-(Methylthio)ethyl)acrylamide for Biomedical Applications.	1
30	Super Light-Sensitive Photosensitizer Nanoparticles for Improved Photodynamic Therapy against Solid Tumors.	0
29	Super Light-Sensitive Photosensitizer Nanoparticles for Improved Photodynamic Therapy against Solid Tumors.	0
28	Safety assessment of different unloaded polymeric nanocapsules in <i>Caenorhabditis elegans</i> . 2022 , 109477	1
27	A Nanomedicine Structure-Activity Framework for Research, Development, and Regulation of Future Cancer Therapies.	1
26	Curcumin-Loaded Oil-Free Self-Assembled Micelles Inhibit the Influenza A Virus Activity and the Solidification of Curcumin-Loaded Micelles for Pharmaceutical Applications. 2022 , 14, 2422	0

- 25 Physicochemical Properties, Pharmacokinetics, Toxicology and Application of Nanocarriers. ○
- 24 Artificial metalloenzyme with peroxidase-like activity based on periodic mesoporous organosilica with ionic-liquid framework. **2023**, 348, 112384 ○
- 23 Mesoporous Silica Nanoparticles-based Nanoplatfoms: Basic Construction, Current State and Emerging Applications in Anticancer Therapeutics. 2201884 ○
- 22 Long-Term Refrigerated Storage of Beef Using an Active Edible Film Reinforced with Mesoporous Silica Nanoparticles Containing Oregano Essential Oil (*Lippia graveolens* Kunth). **2023**, 24, 92 ○
- 21 Engineered silica nanomaterials in pesticide delivery: Challenges and perspectives. **2023**, 121045 1
- 20 Investigation into the Photochemical Properties of Methylene Blue-Immobilized Hydroxyapatite Nanoparticles for Theranostic Application. ○
- 19 Nanoparticle cluster depolymerizes and removes amyloid fibrils for Alzheimer's disease treatment. **2023**, 48, 101756 ○
- 18 Preparation and evaluation of chitosan skin patches containing mesoporous silica nanoparticles loaded by doxycycline on skin wound healing. ○
- 17 Passive and active targeted drug delivery strategies. **2023**, 225-234 ○
- 16 Mesoporous silica nanoparticles: Drug delivery vehicle for antidiabetic molecules. ○
- 15 Recent advances in mixing-induced nanoprecipitation: from creating complex nanostructures to emerging applications beyond biomedicine. ○
- 14 Imaging and Sensing Inside the Living Cells. From Seeing to Believing. **2023**, 529-596 ○
- 13 Emerging ultrasall luminescent nanoprobos for in vivo bioimaging. **2023**, 52, 1672-1696 ○
- 12 New approaches for enhancing the photosensitivity, antibacterial activity, and controlled release behavior of non-porous silica-titania nanoplatfoms. **2023**, 148, 213365 ○
- 11 On the size-dependent internalization of sub-hundred polymeric nanoparticles. **2023**, 225, 113245 ○
- 10 Inhibition of voltage-gated sodium ion channel by corannulene and computational inversion blockage underlying mechanisms. **2023**, 656, 70-77 ○
- 9 Tumor vasculature vs tumor cell targeting: Understanding the latest trends in using functional nanoparticles for cancer treatment. **2023**, 11, 100136 ○
- 8 From cells to organoids: The evolution of blood-brain barrier technology for modelling drug delivery in brain cancer. **2023**, 196, 114777 ○

- 7 Comparative Evaluation of the Effects of Amorphous Silica Nanoparticles on the Erythrocytes of Wistar Normotensive and Spontaneously Hypertensive Rats. **2023**, 24, 3784 ○
- 6 Nanotechnological advancements in the brain tumor therapy: a novel approach. **2022**, 13, 531-557 ○
- 5 Structural parameters of nanoparticles affecting their toxicity for biomedical applications: a review. **2023**, 25, ○
- 4 Impact of Nanoparticle Physicochemical Properties on Protein Corona and Macrophage Polarization. ○
- 3 Recent Progress on Nanocarriers for Topical-Mediated RNAi Strategies for Crop Protection: A Review. **2023**, 28, 2700 ○
- 2 Facile pore size control and low-cost synthesis of mesoporous silica nanoparticles based on rice husk. **2023**, 14, 015007 ○
- 1 Tailor-made nanocargoes as promising tool for brain targeting: Modulated approaches with better therapeutic outcomes. **2023**, 84, 104466 ○