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Multifunctional uniform nanoparticles composed of a magnetite nanocrystal core and a mesoporous silica shell for magnetic resonance and fluorescence imaging and for drug delivery

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1097	Syndecan-1 mediates the coupling of positively charged submicrometer amorphous silica particles with actin filaments across the alveolar epithelial cell membrane. <b>2009</b> , 236, 210-20		28
1096	Nonblinking and Nonbleaching Upconverting Nanoparticles as an Optical Imaging Nanoprobe and T1 Magnetic Resonance Imaging Contrast Agent. <i>Advanced Materials</i> , <b>2009</b> , 21, 4467-4471	24	501
1095	A General Approach to the Synthesis of GoldMetal Sulfide CoreBhell and Heterostructures. <b>2009</b> , 121, 2925-2929		13
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1093	Fe3O4 Core/Layered Double Hydroxide Shell Nanocomposite: Versatile Magnetic Matrix for Anionic Functional Materials. <b>2009</b> , 121, 6002-6006		27
1092	A general approach to the synthesis of gold-metal sulfide core-shell and heterostructures. Angewandte Chemie - International Edition, <b>2009</b> , 48, 2881-5	16.4	180
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1090	Encapsulation of single quantum dots with mesoporous silica. <b>2009</b> , 37, 1960-6		65
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1081	Chemical Availability and Reactivity of Functional Groups grafted to Magnetic Nanoparticles monitored In situ by ATR-IR Spectroscopy. <b>2009</b> , 21, 4316-4322		31

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1000	Synthesis and characterization of bifunctional magnetic ptical Fe3O4@SiO2@Y2O3: Yb3+,Er3+ near-infrared-to-visible up-conversion nanoparticles. <b>2011</b> , 21, 8104		58
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973	Enhancing transversal relaxation for magnetite nanoparticles in MR imaging using GdI+- chelated mesoporous silica shells. <b>2011</b> , 5, 3905-16		62

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971	Design and development of quantum dots and other nanoparticles based cellular imaging probe. <b>2011</b> , 13, 385-96		67
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937	Mesoporous silica-coated superparamagnetic particles prepared by pseudomorphic transformation and their application in purification of plasmid DNA. <b>2011</b> , 13, 6613-6620		12

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800 799 798 797	Nanoparticles for Improving Cancer Diagnosis. 2013, 74, 35-69  Synthesis of Neu5Ac-EC-galactopyranosyl-functionalized magnetic nanoparticles via click chemistry. 2013, 69, 7300-7307  Multifunctional hybrid nanocarriers consisting of supramolecular polymers and quantum dots for simultaneous dual therapeutics delivery and cellular imaging. 2013, 2, 297-301  Possible gadolinium ions leaching and MR sensitivity over-estimation in mesoporous silica-coated upconversion nanocrystals. 2013, 5, 8146-55	5.8	8 <sub>1</sub> 5 30
800 799 798 797 796	Nanoparticles for Improving Cancer Diagnosis. 2013, 74, 35-69  Synthesis of Neu5Ac-EC-galactopyranosyl-functionalized magnetic nanoparticles via click chemistry. 2013, 69, 7300-7307  Multifunctional hybrid nanocarriers consisting of supramolecular polymers and quantum dots for simultaneous dual therapeutics delivery and cellular imaging. 2013, 2, 297-301  Possible gadolinium ions leaching and MR sensitivity over-estimation in mesoporous silica-coated upconversion nanocrystals. 2013, 5, 8146-55  Nanoparticles in Biocatalysis. 2013, 95-123  One-pot synthesis of magnetically recyclable mesoporous silica supported acid-base catalysts for	5.8	81 5 30 17

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572	Nanoscale materials for hyperthermal theranostics. <b>2015</b> , 7, 7115-26	38
571	Glycopolymer modified magnetic mesoporous silica nanoparticles for MR imaging and targeted drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 482, 98-108	31
570	Recent progress on core-shell nanocatalysts. <b>2015</b> , 36, 683-691	21
569	Imaging and Characterization of Magnetic Micro- and Nanostructures Using Force Microscopy. <b>2015</b> , 489-529	
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559	Pulsed electric field-induced remote decapsulation of nanocomposite liposomes with implanted conducting nanoparticles. <b>2015</b> , 60, 1097-1108	6

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553	Real-time monitoring of arsenic trioxide release and delivery by activatable T(1) imaging. <b>2015</b> , 9, 2749-59	89
552	Multi-functional self-fluorescent unimolecular micelles for tumor-targeted drug delivery and bioimaging. <b>2015</b> , 47, 41-50	91
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541	Facile fabrication of hollow mesoporous Eu 3+ -doped Gd 2 O 3 nanoparticles for dual-modal imaging and drug delivery. <b>2015</b> , 123, 8-15	13

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464	Recent advances in synthesis and surface modification of superparamagnetic iron oxide nanoparticles with silica. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 416, 275-291	2.8	82
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442	Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging. <i>Advanced Materials</i> , <b>2016</b> , 28, 8524-8530	24	50
441	Selective Photothermal Tumor Therapy Using Nanodiamond-Based Nanoclusters with Folic Acid. <b>2016</b> , 26, 6428-6436		45
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439	Graphene-Iodine Nanocomposites: Highly Potent Bacterial Inhibitors that are Bio-compatible with Human Cells. <b>2016</b> , 6, 20015		34
438	A universal cooperative assembly-directed method for coating of mesoporous TiO(2) nanoshells with enhanced lithium storage properties. <b>2016</b> , 2, e1501554		174
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433	Near-infrared persistent luminescence hollow mesoporous nanospheres for drug delivery and in vivo renewable imaging. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 7845-7851	7.3	26

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421	Protocells: Modular Mesoporous Silica Nanoparticle-Supported Lipid Bilayers for Drug Delivery. <i>Small</i> , <b>2016</b> , 12, 2173-85	11	107
420	Controllable drug release system based on phase change molecules as gatekeepers for bimodal tumor therapy with enhanced efficacy. <b>2016</b> , 6, 65600-65606		3
419	PEGylated polyethylenimine-entrapped gold nanoparticles loaded with gadolinium for dual-mode CT/MR imaging applications. <b>2016</b> , 11, 1639-52		36
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416	Coordination Polymers Derived from Non-Steroidal Anti-Inflammatory Drugs for Cell Imaging and Drug Delivery. <b>2016</b> , 22, 988-98		22
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413	Ligand-targeted theranostic nanomedicines against cancer. <b>2016</b> , 240, 267-286		114
412	Multifunctional Hollow Mesoporous Silica Nanoparticles for MR/US Imaging-Guided Tumor Therapy. <b>2016</b> , 189-222		2
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408	Investigation of a core/shell Ising nanoparticle: Thermal and magnetic properties. <b>2016</b> , 481, 124-132		7
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403	Near-infrared light-induced imaging and targeted anti-cancer therapy based on a yolk/shell structure. <b>2016</b> , 6, 21590-21599		3
402	Fe3O4@zirconium phosphate coreBhell nanoparticles for pH-sensitive and magnetically guided drug delivery applications. <b>2016</b> , 6, 21285-21292		19
401	Synthesis of Ag@Pt coreBhell nanoparticles loaded onto reduced graphene oxide and investigation of its electrosensing properties. <b>2016</b> , 8, 1084-1090		14
400	Simultaneous Detection of Tumor Cell Apoptosis Regulators Bcl-2 and Bax through a Dual-Signal-Marked Electrochemical Immunosensor. <i>ACS Applied Materials &amp; Dual-Signal-Marked Electrochemical Immunosensor</i> . <i>ACS Applied Materials &amp; Dual-Signal-Materials &amp; Dual-Signal &amp;</i>	9.5	70
399	Facile synthetic route to Fe3O4/silica nanocomposites pillared clay through cationic surfactant-aliphatic acid mixed system and application for magnetically controlled drug release. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 225, 216-223	5.3	21
398	Design and application of a smart nanodevice by combining cationic drug delivery and hyperthermia for cancer apoptosis. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 785-792	7.3	11
397	Preparation of pyrenyl-based multifunctional nanocomposites for biomedical applications. <b>2016</b> , 11, 236-51		17

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395	Stem cell-based gene therapy activated using magnetic hyperthermia to enhance the treatment of cancer. <b>2016</b> , 81, 46-57		71
394	Controlled formation of uniform CeO2 nanoshells in a buffer solution. <i>Chemical Communications</i> , <b>2016</b> , 52, 1420-3	5.8	14
393	Rational design of multifunctional magnetic mesoporous silica nanoparticle for tumor-targeted magnetic resonance imaging and precise therapy. <b>2016</b> , 76, 87-101		107
392	Annulated Mesoporous Silica as Potent Lanthanide Ion Adsorbents and Magnetic Resonance Contrast Enhancing Agents. <b>2016</b> , 26, 165-171		
391	Phase transfer of oleic acid stabilized rod-shaped anatase TiO2 nanocrystals. <b>2016</b> , 648, 333-338		5
390	Simple synthesis of carboxyl-functionalized upconversion nanoparticles for biosensing and bioimaging applications. <b>2016</b> , 147, 207-12		25
389	Versatile rattle-type magnetic mesoporous silica spheres, working as adsorbents and nanocatalyst containers. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 77, 279-287	2.3	9
388	Mild oxidative CH functionalization of alkanes and alcohols using a magnetic core-shell Fe3O4@mSiO2@Cu4 nanocatalyst. <b>2017</b> , 426, 343-349		19
387	Nanoparticle design considerations for molecular imaging of apoptosis: Diagnostic, prognostic, and therapeutic value. <b>2017</b> , 113, 122-140		30
386	Surface-Engineered Multifunctional Eu:GdO Nanoplates for Targeted and pH-Responsive Drug Delivery and Imaging Applications. <i>ACS Applied Materials &amp; Delivery and Imaging Applications</i> . <i>ACS Applied Materials &amp; Delivery and Imaging Applications</i> . <i>ACS Applied Materials &amp; Delivery and Imaging Applications</i> .	9.5	48
385	Economically applicable Ti(2)O(3) decorated m-aminophenol-formaldehyde resin microspheres for dye-sensitized solar cells (DSSCs). <b>2017</b> , 494, 82-91		11
384	Application of magnetic Cd2+ ion-imprinted mesoporous organosilica nanocomposites for mineral wastewater treatment. <b>2017</b> , 7, 7996-8003		16
383	High activity magnetic core-mesoporous shell sulfonic acid silica nanoparticles for carboxylic acid esterification. <b>2017</b> , 92, 56-60		28
382	Magnetic Nanoparticles: Functionalization and Manufacturing of Pluripotent Stem Cells. <i>Advanced Structured Materials</i> , <b>2017</b> , 363-383	0.6	1
381	Levofloxacin loaded mesoporous silica microspheres/nano-hydroxyapatite/polyurethane composite scaffold for the treatment of chronic osteomyelitis with bone defects. <b>2017</b> , 7, 41808		28
380	Relaxometric property of organosilica nanoparticles internally functionalized with iron oxide and fluorescent dye for multimodal imaging. <b>2017</b> , 492, 127-135		15
379	Hand-Ground Nanoscale Zn -Based Coordination Polymers Derived from NSAIDs: Cell Migration Inhibition of Human Breast Cancer Cells. <b>2017</b> , 23, 5736-5747		17

378	Molecularly organic/inorganic hybrid hollow mesoporous organosilica nanocapsules with tumor-specific biodegradability and enhanced chemotherapeutic functionality. <b>2017</b> , 125, 23-37		145
377	Nanoengineering of Core-Shell Magnetic Mesoporous Microspheres with Tunable Surface Roughness. <b>2017</b> , 139, 4954-4961		113
376	Progress in Nanotheranostics Based on Mesoporous Silica Nanomaterial Platforms. <i>ACS Applied Materials &amp; Amp; Interfaces</i> , <b>2017</b> , 9, 10309-10337	9.5	84
375	Drug releasing nanoplatforms activated by alternating magnetic fields. <b>2017</b> , 1861, 1617-1641		68
374	Controlled release of an endostatin peptide using chitosan nanoparticles. <b>2017</b> , 90, 417-424		5
373	Layer-by-layer construction of lipid bilayer on mesoporous silica nanoparticle to improve its water suspensibility and hemocompatibility. <i>Journal of Sol-Gel Science and Technology</i> , <b>2017</b> , 82, 490-499	2.3	10
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368	Surfactant-stripped naphthalocyanines for multimodal tumor theranostics with upconversion guidance cream. <b>2017</b> , 9, 3391-3398		33
367	Extra-Large Pore Mesoporous Silica Nanoparticles for Directing in Vivo M2 Macrophage Polarization by Delivering IL-4. <b>2017</b> , 17, 2747-2756		124
366	Chemotherapeutic drug-photothermal agent co-self-assembling nanoparticles for near-infrared fluorescence and photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. <b>2017</b> , 258, 95-107		153
365	Synthesis and Cytotoxicity of Dendritic Platinum Nanoparticles with HEK-293 Cells. <b>2017</b> , 12, 21-26		17
364	Functional Built-In Template Directed Siliceous Fluorescent Supramolecular Vesicles as Diagnostics. <i>ACS Applied Materials &amp; Acs Applied Materials &amp; Diagnostics</i> .	9.5	36
363	Persistent luminescent nanoparticles as energy mediators for enhanced photodynamic therapy with fractionated irradiation. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 5793-5805	7.3	23
362	A Functional Iron Oxide Nanoparticles Modified with PLA-PEG-DG as Tumor-Targeted MRI Contrast Agent. <b>2017</b> , 34, 1683-1692		41
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337	A pH-dependent Antibacterial Peptide Release Nano-system Blocks Tumor Growth in vivo without Toxicity. <b>2017</b> , 7, 11242		15
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263	Functional Micro-/Nanomaterials for Imaging Technology. <b>2018</b> , 1-25		
262	Bio-nano: Theranostic at Cellular Level. <b>2018</b> , 85-170		1
261	T-T molecular magnetic resonance imaging of renal carcinoma cells based on nano-contrast agents. <b>2018</b> , 13, 4607-4625		26
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