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Nanoparticles for bioimaging

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| # | Paper | IF | Citations |
|-----|---|----|-----------|
| 601 | Controlled synthesis of lanthanide-doped NaYF ₄ upconversion nanocrystals via ligand induced crystal phase transition and silica coating. 2007 , 91, 123103 | | 132 |
| 600 | Air pollution, ultrafine and nanoparticle toxicology: cellular and molecular interactions. 2007 , 6, 331-40 | | 249 |
| 599 | Synthesis of monodisperse hexagonal NaYF ₄ :Yb, Ln (Ln = Er, Ho and Tm) upconversion nanocrystals in TOPO. 2007 , 18, 445607 | | 123 |
| 598 | Nanoparticles aggravate heat stress induced cognitive deficits, blood-brain barrier disruption, edema formation and brain pathology. 2007 , 162, 245-73 | | 165 |
| 597 | InGaP@ZnS-Enriched Chitosan Nanoparticles: A Versatile Fluorescent Probe for Deep-Tissue Imaging. 2007 , 17, 3724-3730 | | 38 |
| 596 | Synthesis and characterization of shaped ZnS nanocrystals in water in oil microemulsions. 2007 , 61, 4396-4399 | 27 | |
| 595 | Gold Nanorods Coated with Multilayer Polyelectrolyte as Contrast Agents for Multimodal Imaging. 2007 , 111, 12552-12557 | | 194 |
| 594 | Reactions of heteroaromatic chromophores with lanthanide complexes of p-sulfonatothiacalix[4]arene. 2008 , 57, 1905-1911 | | 2 |
| 593 | A one-plasmid conditional color-switching transgenic system for multimodal bioimaging. 2008 , 17, 741-7 | | 4 |
| 592 | Semiconductor quantum dots and metal nanoparticles: syntheses, optical properties, and biological applications. 2008 , 391, 2469-95 | | 428 |
| 591 | Reduction of Self-Quenching in Fluorescent Silica-Coated Silver Nanoparticles. 2008 , 3, 33-40 | | 63 |
| 590 | In vivo monitoring of intravenously injected gold nanorods using near-infrared light. 2008 , 4, 1001-7 | | 46 |
| 589 | Novel ascorbic acid based ionic liquids for the in situ synthesis of quasi-spherical and anisotropic gold nanostructures in aqueous medium. 2008 , 14, 5528-37 | | 54 |
| 588 | Applications of Nanoparticles in Biology. 2008 , 20, 4225-4241 | | 1241 |
| 587 | Gold nanoparticles conjugated to [Tyr3]octreotide peptide. 2008 , 138, 83-90 | | 40 |
| 586 | Borosilicate nanoparticles prepared by exothermic phase separation. 2008 , 3, 589-94 | | 19 |
| 585 | Time evolution of gold nanoparticles in HPC solution after UV irradiation. 2008 , 62, 3106-3109 | | 7 |

| | | |
|-----|---|-----|
| 584 | Technology Insight: novel imaging of molecular targets is an emerging area crucial to the development of targeted drugs. 2008 , 5, 44-54 | 68 |
| 583 | High contrast in vitro and in vivo photoluminescence bioimaging using near infrared to near infrared up-conversion in Tm ³⁺ and Yb ³⁺ doped fluoride nanophosphors. 2008 , 8, 3834-8 | 816 |
| 582 | Covalently dye-linked, surface-controlled, and bioconjugated organically modified silica nanoparticles as targeted probes for optical imaging. 2008 , 2, 449-56 | 252 |
| 581 | Studies on the Formation of Organosilica Nanoparticles and Their Ability To Host Hydrophobic Substances. 2008 , 112, 17063-17070 | 2 |
| 580 | Biofunctionalization, cytotoxicity, and cell uptake of lanthanide doped hydrophobically ligated NaYF ₄ upconversion nanophosphors. 2008 , 104, 094308 | 103 |
| 579 | Single peptide assembly onto a 1.5 nm Au surface via a histidine tag. 2008 , 130, 16156-7 | 36 |
| 578 | Superparamagnetic Fe ₃ O ₄ SiO ₂ nanocomposites: enabling the tuning of both the iron oxide load and the size of the nanoparticles. 2008 , 24, 3532-6 | 96 |
| 577 | Near-infrared emitting fluorophore-doped calcium phosphate nanoparticles for in vivo imaging of human breast cancer. 2008 , 2, 2075-84 | 372 |
| 576 | Dynamic nuclear polarization in silicon microparticles. 2008 , 100, 127601 | 69 |
| 575 | Gold nanoparticles: From nanomedicine to nanosensing. 2008 , 1, 45-65 | 225 |
| 574 | Pathogenic Bacterial Sensors Based on Carbohydrates as Sensing Elements. 2008 , 659-687 | 1 |
| 573 | Quantum dots - nano-sized probes for the exploration of cellular and intracellular targeting. 2008 , 68, 153-68 | 152 |
| 572 | Chapter 6 Functionalization of Carbon Nanotubes and Nanoparticles with Lipid. 2008 , 201-224 | 5 |
| 571 | Multifunctional inorganic-binding beads self-assembled inside engineered bacteria. 2008 , 19, 2072-80 | 50 |
| 570 | Near-infrared fluorescent labeled peptosome for application to cancer imaging. 2008 , 19, 109-17 | 102 |
| 569 | Improved biocompatibility and pharmacokinetics of silica nanoparticles by means of a lipid coating: a multimodality investigation. 2008 , 8, 2517-25 | 204 |
| 568 | On the Complexity of Electrostatic Suspension Stabilization of Functionalized Silica Nanoparticles for Biotargeting and Imaging Applications. 2008 , 2008, 1-9 | 24 |
| 567 | Preparation of a polymer surface coated with a gradient of quantum dots. 2008 , 19, 045301 | 5 |

566 Semiconductor Quantum Dots for Cell Imaging. **2009**, 1237, 1

565 Size-dependent physicochemical and optical properties of silica nanoparticles. **2009**, 114, 328-332 179

564 Diagnostic nanocarriers for sentinel lymph node imaging. **2009**, 138, 90-102 74

563 Two-Dye Core/Shell Zeolite Nanoparticles: A New Tool for Ratiometric pH Measurements. **2009**, 19, 117-122 64

562 Gold nanorods: from synthesis and properties to biological and biomedical applications. **2009**, 21, 4880-4910 1473

561 Dual-Function Probe to Detect Protease Activity for Fluorescence Measurement and 19F MRI. **2009**, 121, 3695-3697 20

560 Dual-function probe to detect protease activity for fluorescence measurement and 19F MRI. **2009**, 48, 3641-3 123

559 Novel one-pot Cu-nanoparticles-catalyzed Mannich reaction. **2009**, 50, 1355-1358 71

558 Review: bioanalytical applications of biomolecule-functionalized nanometer-sized doped silica particles. **2009**, 647, 14-30 331

557 Numerical evaluation of the effectiveness of colloidal gold as a contrast agent. **2009**, 2, 33-9 7

556 Translational nanomedicine: status assessment and opportunities. **2009**, 5, 251-73 89

555 Ratiometric pH-nanosensors based on rhodamine-doped silica nanoparticles functionalized with a naphthalimide derivative. **2009**, 339, 266-70 68

554 Uniform silica nanoparticles encapsulating two-photon absorbing fluorescent dye. **2009**, 182, 862-868 13

553 Designer polymer-quantum dot architectures. **2009**, 34, 393-430 290

552 Immunolabeling and NIR-excited fluorescent imaging of HeLa cells by using NaYF₄:Yb,Er upconversion nanoparticles. **2009**, 3, 1580-6 491

551 Biomedical Applications of Nanoparticles. **2009**, 89-109 11

550 Photophysics of Cy3-encapsulated calcium phosphate nanoparticles. **2009**, 9, 1559-66 131

549 Multifunctional Nanoparticles as Biocompatible Targeted Probes for Human Cancer Diagnosis and Therapy. **2009**, 19, 4655-4672 175

| | | |
|-----|---|-----|
| 548 | Hybrid CyanineSilica Nanoparticles: Homogeneous Photoemission Behavior of Entrapped Fluorophores and Consequent High Brightness Enhancement. 2009 , 113, 21048-21053 | 35 |
| 547 | Synthesis and Characterization of Tb ³⁺ -Doped Gd ₂ O ₃ Nanocrystals: A Bifunctional Material with Combined Fluorescent Labeling and MRI Contrast Agent Properties. 2009 , 113, 6913-6920 | 146 |
| 546 | Fluorescent Pluronic nanodots for in vivo two-photon imaging. 2009 , 20, 235102 | 21 |
| 545 | A multidentate peptide for stabilization and facile bioconjugation of gold nanoparticles. 2009 , 20, 619-24 | 67 |
| 544 | Multiwavelength photoacoustic imaging and plasmon resonance coupling of gold nanoparticles for selective detection of cancer. 2009 , 9, 2825-31 | 370 |
| 543 | Synthesis and Characterization of Magnetic FePt/Au Core/Shell Nanoparticles. 2009 , 113, 13088-13091 | 36 |
| 542 | Chapter 11 Biomedical FRETFLIM applications. 2009 , 447-474 | |
| 541 | Synthesis of gold nanopeanuts by citrate reduction of gold chloride on gold-silver core-shell nanoparticles. 2009 , 5263-5 | 47 |
| 540 | Cell up-take control of gold nanoparticles functionalized with a thermoresponsive polymer. 2009 , 19, 1608 | 109 |
| 539 | Inorganic Single-Source Precursor to Complex Fluoride and Oxyfluoride Nanocrystallines and Their Photoluminescence. 2009 , 113, 597-602 | 10 |
| 538 | Vesicles fabricated by hybrid nanoparticles. 2009 , 3807-9 | 15 |
| 537 | Surface attached manganese-oxo clusters as potential contrast agents. 2009 , 788-90 | 21 |
| 536 | Multicolour self-assembled particles of fluorene-based bolaamphiphiles. 2009 , 1697-9 | 72 |
| 535 | Fluorescence lifetime multiplexing with nanocrystals and organic labels. 2009 , 81, 7807-13 | 47 |
| 534 | Microfluidic Synthesis of Iron Oxide and Oxyhydroxide Nanoparticles. 2010 , 323-360 | 4 |
| 533 | Glyconanoparticles: New Nanomaterials for Biological Applications. 2010 , 213-259 | 6 |
| 532 | Effects of surfactant/water ratio and dye amount on the fluorescent silica nanoparticles. 2010 , 72, 723-729 | 5 |
| 531 | Engineering biofunctional magnetic nanoparticles for biotechnological applications. 2010 , 2, 1746-55 | 90 |

| | | |
|-----|---|----------|
| 530 | Chitosan-based systems for molecular imaging. 2010 , 62, 42-58 | 177 |
| 529 | Cu Nanoparticles in PEG: A New Recyclable Catalytic System for N-Arylation of Amines with Aryl Halides. 2010 , 2, 1312-1317 | 36 |
| 528 | Luminescent chemosensors based on silica nanoparticles. 2011 , 300, 93-138 | 43 |
| 527 | Quantum Dots and Their Multimodal Applications: A Review. 2010 , 3, 2260-2345 | 752 |
| 526 | Supramolecular Bioconjugates for Protein and Small Drug Delivery. 2010 , 50, 160-174 | 10 |
| 525 | Synchrotron microangiography studies of angiogenesis in mice with microemulsions and gold nanoparticles. 2010 , 397, 2109-16 | 22 |
| 524 | Surface characterizations of fluorescent-functionalized silica nanoparticles: from the macroscale to the nanoscale. 2010 , 12, 2255-2265 | 14 |
| 523 | Using Some Nanoparticles as Contrast Agents for Optical Bioimaging. 2010 , 16, 672-684 | 15 |
| 522 | Fluorescent nanoparticles based on self-assembled pi-conjugated systems. 2010 , 22, 2985-97 | 261 |
| 521 | On the design of fluorescent ratiometric nanosensors. 2010 , 16, 10290-9 | 91 |
| 520 | Functional silica nanoparticles synthesized by water-in-oil microemulsion processes. 2010 , 341, 201-8 | 88 |
| 519 | Gold nanoparticles conjugated to benzoylmercaptoacetyltryglycine and L-cysteine methylester. 2010 , 350, 161-7 | 3 |
| 518 | Polymeric microcapsules with light responsive properties for encapsulation and release. <i>Advances in Colloid and Interface Science</i> , 2010 , 158, 2-14 | 14-3 166 |
| 517 | Thioglucose-stabilized gold nanoparticles as a novel platform for colorimetric bioassay based on nanoparticle aggregation. 2010 , 81, 570-7 | 37 |
| 516 | Highly bright and photostable cyanine dye-doped silica nanoparticles for optical imaging: Photophysical characterization and cell tests. 2010 , 84, 121-127 | 79 |
| 515 | High-resolution light microscopy using luminescent nanoparticles. 2010 , 2, 162-75 | 29 |
| 514 | In vivo near-infrared fluorescence imaging of cancer with nanoparticle-based probes. 2010 , 2, 349-66 | 163 |
| 513 | Albumin nanoshell encapsulation of near-infrared-excitable rare-Earth nanoparticles enhances biocompatibility and enables targeted cell imaging. 2010 , 6, 1631-40 | 48 |

| | | |
|-----|--|-----|
| 512 | Use of Tetra-ammonium Tetrakis(4-Sulphonato)Phenyl Porphyrin for Pseudomonas and Bacillus Cell Imaging. 2010 , 2010, | |
| 511 | Fluorescent nanopigments: Quantitative assessment of their quantum yield. 2010 , 107, 114323 | 6 |
| 510 | Introduction to metallic nanoparticles. 2010 , 2, 282-9 | 518 |
| 509 | Optical Characterization and Rotational Dynamics Observation of Colloidal Gold Nanorods Based on Polarized Light Scattering Microscopy. 2010 , 49, 125001 | 4 |
| 508 | Simultaneous counting of two subsets of leukocytes using fluorescent silica nanoparticles in a sheathless microchip flow cytometer. 2010 , 10, 3243-54 | 37 |
| 507 | Antibody engineering promotes nanomedicine for cancer treatment. 2010 , 5, 1141-5 | 46 |
| 506 | Glyconanoparticles polyvalent tools to study carbohydrate-based interactions. 2010 , 64, 211-90 | 79 |
| 505 | Spectroscopic determination of the size of cadmium sulfide nanoparticles formed under environmentally relevant conditions. 2010 , 12, 890-7 | 31 |
| 504 | Application of intravital microscopy in studies of tumor microcirculation. 2010 , 15, 011113 | 21 |
| 503 | Nanomedicine strategies for molecular targets with MRI and optical imaging. 2010 , 2, 471-90 | 74 |
| 502 | SYNTHESIS AND CHARACTERIZATION OF SPHERE-LIKE ZnS NANOCRYSTALS BY THERMOLYSIS OF A NEW COMPLEX PRECURSOR. 2010 , 24, 2091-2099 | 4 |
| 501 | In vivo imaging and toxicity assessments of fluorescent nanodiamonds in Caenorhabditis elegans. 2010 , 10, 3692-9 | 444 |
| 500 | Synthesis of Amphipathic YVO4:Eu3+ Nanophosphors by Oleate-Modified Nucleation/Hydrothermal-Growth Process. 2010 , 114, 3763-3769 | 37 |
| 499 | A nucleolin-targeted multimodal nanoparticle imaging probe for tracking cancer cells using an aptamer. 2010 , 51, 98-105 | 247 |
| 498 | Directed evolution of gold nanoparticle delivery to cells. 2010 , 46, 392-4 | 105 |
| 497 | What is cancer nanotechnology?. 2010 , 624, 1-9 | 22 |
| 496 | Viruses and their potential in bioimaging and biosensing applications. 2010 , 135, 21-7 | 60 |
| 495 | Novel Fe3O4@YPO4:Re (Re = Tb, Eu) multifunctional magnetic-fluorescent hybrid spheres for biomedical applications. 2010 , 46, 5100-2 | 67 |

| | | |
|-----|--|----|
| 494 | Bright fluorescent nanoparticles for developing potential optical imaging contrast agents. 2010 , 2, 548-58 | 66 |
| 493 | Non-square-well potential profile and suppression of blinking in compositionally graded Cd(1-x)Zn(x)Se/Cd(x)Zn(1-x)Se nanocrystals. 2010 , 2, 728-33 | 10 |
| 492 | Near-infrared absorbing and luminescent gold speckled silica nanoparticles for photothermal therapy. 2010 , 20, 5182 | 27 |
| 491 | Controllably layer-by-layer self-assembled polyelectrolytes/nanoparticle blend hollow capsules and their unique properties. 2011 , 21, 5148 | 46 |
| 490 | Multifunctional Y2O3:Yb3+/Tm3+/Li+ Nanocrystals with Enhanced Near-Infrared to Near-Infrared Upconversion Photoluminescence. 2011 , 197-198, 168-173 | |
| 489 | Morphological Transition during Reversible Aqueous and Organic Phase Transfer of Gold Nanostructures Synthesized by Tyrosine-Based Amphiphiles. 2011 , 115, 18518-18530 | 12 |
| 488 | Systematic Tuning the Hydrodynamic Diameter of Uniformed Fluorescent Silica Nanoparticles. 2011 , 115, 16322-16332 | 15 |
| 487 | Highly biocompatible TiO2@Cd2+ nano-contrast agent with enhanced longitudinal relaxivity for targeted cancer imaging. 2011 , 3, 4150-61 | 28 |
| 486 | Incorporating anionic dyes into silica nanoparticles by using a cationic polyelectrolyte as a bridge. 2011 , 21, 1147-1152 | 26 |
| 485 | Carbohydrate-based nanoparticles for potential applications in medicine. 2011 , 104, 141-73 | 19 |
| 484 | Red-luminescent europium (III) doped silica nanoshells: synthesis, characterization, and their interaction with HeLa cells. 2011 , 16, 066012 | 18 |
| 483 | Biomedical Applications of Metal-Containing Luminophores. 2011 , 383-406 | 10 |
| 482 | Magnetic and photoluminescence properties of Fe3O4@SiO2@YP1@VxO4:Dy3+ nanocomposites. 2011 , 509, 10211-10216 | 7 |
| 481 | A simple double-bead sandwich assay for protein detection in serum using UV-vis spectroscopy. 2011 , 83, 1580-5 | 9 |
| 480 | CD33 monoclonal antibody conjugated Au cluster nano-bioprobes for targeted flow-cytometric detection of acute myeloid leukaemia. 2011 , 22, 285102 | 38 |
| 479 | Homogeneous assays using aptamers. 2011 , 136, 257-74 | 73 |
| 478 | Nanoparticles in molecular diagnostics. 2011 , 104, 427-88 | 36 |
| 477 | Development of molecular imaging tools to investigate protein functions by chemical probe design. 2011 , 59, 1435-46 | 13 |

| | | |
|-----|--|-----|
| 476 | Cell-Assisted Deposition of Inorganic Coatings. 2011 , 94, 3706-3710 | 1 |
| 475 | Silica nanoconstruct cellular toleration threshold in vitro. 2011 , 153, 40-8 | 52 |
| 474 | Electronic and vibrational spectra of novel Lanreotide peptide capped gold nanoparticles. 2011 , 82, 283-9 | 3 |
| 473 | A novel fluorescent probe for more effective monitoring of nanosized drug delivery systems within the cells. 2011 , 416, 384-93 | 15 |
| 472 | Light-induced release of DNA from gold nanoparticles: nanoshells and nanorods. 2011 , 133, 12247-55 | 299 |
| 471 | Nano meets biology: structure and function at the nanoparticle interface. 2011 , 27, 10376-85 | 203 |
| 470 | Photophysical and Lasing Properties of Rhodamine 6G Confined in Polymeric Nanoparticles. 2011 , 115, 3926-3933 | 26 |
| 469 | Silica nanodisks as platforms for fluorescence lifetime-based sensing of pH. 2011 , 123, 901-907 | 5 |
| 468 | Characterization of CdTe nanocrystals during their synthesis in liquid paraffin: optical properties and particle growth. 2011 , 46, 2338-2344 | 3 |
| 467 | Behaviour of fluorescence emission of cyanine dyes, cyanine based fluorescent nanoparticles and CdSe/ZnS quantum dots in water solution upon specific thermal treatments. 2011 , 21, 929-36 | 4 |
| 466 | Encapsulation of hydrophobic dyes in polystyrene micro- and nanoparticles via swelling procedures. 2011 , 21, 937-44 | 77 |
| 465 | Interaction between ultrashort laser pulses and gold nanoparticles: nanoheater and nanolens effect. 2011 , 13, 2181-2193 | 21 |
| 464 | One-step method for preparation of pH-responsive gold nanoparticles with block copolymer shell structures by UV irradiation. 2011 , 67, 1059-1072 | 5 |
| 463 | Nanoparticles as contrast agents for in-vivo bioimaging: current status and future perspectives. 2011 , 399, 3-27 | 373 |
| 462 | Nanoparticles as fluorescent labels for optical imaging and sensing in genomics and proteomics. 2011 , 399, 29-42 | 95 |
| 461 | Effect of the Cleaning Step on the Morphology of Gold Nanoparticles. 2011 , 2, 24-27 | 7 |
| 460 | A comparative study of non-covalent encapsulation methods for organic dyes into silica nanoparticles. 2011 , 6, 328 | 58 |
| 459 | Selective imaging and killing of cancer cells with protein-activated near-infrared fluorescing nanoparticles. 2011 , 11, 927-37 | 23 |

| | | |
|-----|--|-----|
| 458 | The promise of nanotechnology for solving clinical problems in breast cancer. 2011 , 103, 317-25 | 25 |
| 457 | Gold nanoparticles and quantum dots for bioimaging. 2011 , 74, 592-604 | 96 |
| 456 | Nanobiomaterials: State of the Art and Future Trends. 2011 , 13, B197-B217 | 47 |
| 455 | Nanomaterials: applications in cancer imaging and therapy. 2011 , 23, H18-40 | 729 |
| 454 | Multifunctional Nanoparticles for Multimodal Molecular Imaging. 2011 , 529-540 | |
| 453 | Biodistribution and Pharmacokinetics of Nanoprobes. 2011 , 75-104 | 6 |
| 452 | Nanomaterials for Optical Imaging. 2011 , 177-197 | |
| 451 | Luminescent Gold Nanoparticles with Efficient Renal Clearance. 2011 , 123, 3226-3230 | 90 |
| 450 | Luminescent gold nanoparticles with efficient renal clearance. 2011 , 50, 3168-72 | 348 |
| 449 | Photonic immobilization of BSA for nanobiomedical applications: creation of high density microarrays and superparamagnetic bioconjugates. 2011 , 108, 999-1010 | 16 |
| 448 | The 'Gator' Mouse Suit for early bioluminescent metastatic breast cancer detection and nanomaterial signal enhancement during live animal imaging. 2011 , 26, 390-6 | 1 |
| 447 | A novel platform of hemoglobin on core-shell structurally Fe ₃ O ₄ @Au nanoparticles and its direct electrochemistry. 2011 , 56, 3238-3247 | 51 |
| 446 | Controlled synthesis and biomolecular probe application of gold nanoparticles. 2011 , 42, 207-27 | 124 |
| 445 | Nanoprobes for biomedical imaging in living systems. 2011 , 6, 204-220 | 120 |
| 444 | Interaction of gold nanoparticles with nanosecond laser pulses: Nanoparticle heating. 2011 , 257, 5456-5459 | 24 |
| 443 | Sulforhodamine B doped polymeric matrices: A high efficient and stable solid-state laser. 2011 , 219, 265-272 | 6 |
| 442 | Dendritic cell internalization of foam-structured fluorescent mesoporous silica nanoparticles. 2011 , 353, 156-62 | 16 |
| 441 | Ultra small Gd ₂ O ₃ nanoparticles: Absorption and emission properties. 2011 , 354, 592-6 | 59 |

| | | |
|-----|--|--------|
| 440 | Background-free cytometry using rare earth complex bioprobes. 2011 , 102, 479-513 | 8 |
| 439 | Self-assembled multifunctional nanoplexes for gene inhibitory therapy. 2011 , 6, 669-80 | 5 |
| 438 | Utilization of monoclonal antibody-targeted nanomaterials in the treatment of cancer. 2011 , 3, 467-78 | 24 |
| 437 | Near-infrared fluorescent nanoparticle of low-bandgap π -conjugated polymer for in vivo molecular imaging. 2011 , 43, 937-940 | 12 |
| 436 | Noninvasive diagnostic devices for diabetes through measuring tear glucose. 2011 , 5, 166-72 | 110 |
| 435 | Injectable nanotechnology. 2011 , 298-322 | |
| 434 | Cytotoxicity and Cellular Internalization Studies of Biogenic Gold Nanotriangles in Animal Cell Lines. 2011 , 3, 251-263 | 12 |
| 433 | Bio-inspired Silica Nanomaterials for Biomedical Applications. 2011 , 1-16 | 2 |
| 432 | Effect of Li ⁺ ions on enhancement of near-infrared upconversion emission in Y ₂ O ₃ :Tm ³⁺ /Yb ³⁺ nanocrystals. 2012 , 112, 094701 | 42 |
| 431 | Far- and near-field optical properties of gold nanoparticle ensembles. 2012 , 42, 1123-1127 | 5 |
| 430 | The Role of pH in PEG-b-PAAc Modification of Gadolinium Oxide Nanostructures for Biomedical Applications. 2012 , 2012, 1-15 | 7 |
| 429 | In vitro and in vivo Diagnosis of Pulmonary Disorders Using Nanotechnology. 2012 , 103-133 | |
| 428 | Nanofluids mediating surface forces. <i>Advances in Colloid and Interface Science</i> , 2012 , 179-182, 68-84 | 143 43 |
| 427 | Bioimaging Using the Optimized Nonlinear Optical Properties of ZnO Nanoparticles. 2012 , 18, 1451-1456 | 22 |
| 426 | Highly lipophilic fluorescent dyes in nano-emulsions: towards bright non-leaking nano-droplets. 2012 , 2, 11876-11886 | 107 |
| 425 | Fluorescent nanoprobes dedicated to in vivo imaging: from preclinical validations to clinical translation. 2012 , 17, 5564-91 | 122 |
| 424 | Core/shell NaGdF ₄ :Nd(3+)/NaGdF ₄ nanocrystals with efficient near-infrared to near-infrared downconversion photoluminescence for bioimaging applications. 2012 , 6, 2969-77 | 350 |
| 423 | In vitro and in vivo investigations of upconversion and NIR emitting Gd ³⁺ /Er ³⁺ , Yb ³⁺ nanostructures for biomedical applications. 2012 , 23, 2399-412 | 32 |

| | | |
|-----|---|-----|
| 422 | Fabrication of glyconanoparticle microarrays. 2012 , 84, 3049-52 | 38 |
| 421 | Dual-modal fluorescent/magnetic bioprobes based on small sized upconversion nanoparticles of amine-functionalized BaGdF ₅ :Yb/Er. 2012 , 4, 5118-24 | 91 |
| 420 | DNA surface modified gadolinium phosphate nanoparticles as MRI contrast agents. 2012 , 23, 951-7 | 47 |
| 419 | Recent advances in nuclear magnetic resonance quantum information processing. 2012 , 370, 4620-35 | 21 |
| 418 | Near IR fluorescent polystyrene/albumin core/shell nanoparticles for specific targeting of colonic neoplasms. 2012 , 12, 1472-9 | 8 |
| 417 | Engineering of near IR fluorescent albumin nanoparticles for in vivo detection of colon cancer. 2012 , 10, 36 | 29 |
| 416 | Selective Excitation of Plasmon Resonances of Single Au Triangles by Polarization-Dependent Light Excitation. 2012 , 116, 14591-14598 | 59 |
| 415 | Development of highly luminescent and cytocompatible near-IR-emitting aqueous Ag ₂ S quantum dots. 2012 , 22, 14674 | 125 |
| 414 | Gold nanoparticles in image-guided cancer therapy. 2012 , 393, 154-164 | 50 |
| 413 | One-pot synthesis of amphiphilic reversible photoswitchable fluorescent nanoparticles and their fluorescence modulation properties. 2012 , 3, 685 | 30 |
| 412 | Multifunctional Nanocomposites for Biomedical Applications. 2012 , | |
| 411 | Metal Nanoparticles in Biomedical Applications. 2012 , 477-519 | 3 |
| 410 | PEG modified BaGdF ₅ :Yb/Er nanoprobes for multi-modal upconversion fluorescent, in vivo X-ray computed tomography and biomagnetic imaging. 2012 , 33, 9232-8 | 221 |
| 409 | Biomedical Applications of Gold Nanoparticles. 2012 , 101-145 | 3 |
| 408 | Development and in vivo imaging of a PET/MRI nanoprobe with enhanced NIR fluorescence by dye encapsulation. 2012 , 7, 219-29 | 52 |
| 407 | Pluronic Triblock Copolymer Encapsulated Gold Nanorods as Biocompatible Localized Plasmon Resonance-Enhanced Scattering Probes for Dark-Field Imaging of Cancer Cells. 2012 , 7, 595-601 | 22 |
| 406 | (BaYbF ₄ :Tm(3+))/CaF ₂ core/shell nanoparticles with efficient near-infrared to near-infrared upconversion for high-contrast deep tissue bioimaging. 2012 , 6, 8280-7 | 582 |
| 405 | Polymer-Based Nanoparticulate Systems as Versatile Agents in the Prognosis and Therapy of Cancer. 2012 , 82, 37-58 | |

| | | |
|-----|---|-----|
| 404 | Polymer-Modified Nanoparticles as Targeted MR Imaging Agents. 2012 , 173-198 | 1 |
| 403 | Lanthanide-doped chitosan nanospheres as cell nuclei illuminator and fluorescent nonviral vector for plasmid DNA delivery. 2012 , 41, 490-7 | 13 |
| 402 | Synthesis, photophysical properties and application of dye doped water soluble silica-based nanoparticles to label bacteria E. coli O157:H7. 2012 , 3, 045013 | 2 |
| 401 | Neurological System. 2012 , 157-168 | |
| 400 | Design of near-infrared fluorescent bioactive conjugated functional iron oxide nanoparticles for optical detection of colon cancer. 2012 , 7, 5517-27 | 13 |
| 399 | Self-fluorescence of chemically crosslinked MRI nanoprobes to enable multimodal imaging of therapeutic cells. 2012 , 8, 666-70 | 22 |
| 398 | Gadolinium-doped silica nanoparticles encapsulating indocyanine green for near infrared and magnetic resonance imaging. 2012 , 8, 2856-68 | 57 |
| 397 | Bioimaging of hyaluronic acid derivatives using nanosized carbon dots. 2012 , 13, 2554-61 | 141 |
| 396 | Single-Phase NaDyF ₄ :Tb ³⁺ Nanocrystals as Multifunctional Contrast Agents in High-Field Magnetic Resonance and Optical Imaging. 2012 , 2012, 2044-2048 | 27 |
| 395 | Cytotoxicity and cell imaging potentials of submicron color-tunable yttria particles. 2012 , 100, 2287-94 | 7 |
| 394 | Absorption, luminescence, and sizing of organic dye nanoparticles and of patterns formed upon dewetting. 2012 , 13, 946-51 | 13 |
| 393 | Scope and limitations of surface functional group quantification methods: exploratory study with poly(acrylic acid)-grafted micro- and nanoparticles. 2012 , 134, 8268-76 | 72 |
| 392 | Single Dye Molecule Behavior in Fluorescent Core-Shell Silica Nanoparticles. 2012 , 24, 361-372 | 26 |
| 391 | Chemiluminescence of CdTe nanocrystals catalyzed by sodium hexametaphosphate and its sensitive application for determination of estrogens. 2012 , 91, 295-300 | 11 |
| 390 | Functionalised, photostable, fluorescent polystyrene nanoparticles of narrow size-distribution. 2012 , 228, 60-67 | 10 |
| 389 | Real-time size discrimination and elemental analysis of gold nanoparticles using ES-DMA coupled to ICP-MS. 2013 , 405, 2279-88 | 54 |
| 388 | Fabrication of FITC-doped silica nanoparticles and study of their cellular uptake in the presence of lectins. 2013 , 101, 2090-6 | 19 |
| 387 | Tuning gold nanoparticles interfaces by specific peptide interaction for surface enhanced Raman spectroscopy (SERS) and separation applications. 2013 , 5, 7915-22 | 14 |

| | | |
|-----|--|-----|
| 386 | Construction of smart surfaces with polymer functionalized silica nanoparticles. 2013 , 4, 1038-1047 | 25 |
| 385 | In vitro degradation of porous poly(lactic acid)/quantum dots scaffolds. 2013 , 55, 234-239 | 12 |
| 384 | Upconverting and NIR emitting rare earth based nanostructures for NIR-bioimaging. 2013 , 5, 11339-61 | 226 |
| 383 | Synthesis of surfactant-free electrostatically stabilized gold nanoparticles by plasma-induced liquid chemistry. 2013 , 24, 245604 | 142 |
| 382 | Radiosynthesis and initial evaluation of (18)F labeled nanocarrier composed of poly(L-lactic acid)-block-poly(sarcosine) amphiphilic polydepsipeptide. 2013 , 40, 387-94 | 33 |
| 381 | Thulium concentration quenching in the up-converting $\text{Er}^{3+}/\text{Yb}^{3+}$ NaYF ₄ colloidal nanocrystals. 2013 , 35, 1124-1128 | 30 |
| 380 | Characterization and cellular interaction of fluorescent-labeled PHEMA nanoparticles. 2013 , 41, 78-84 | 4 |
| 379 | Optimizing the synthesis of red- and near-infrared CuInS ₂ and AgInS ₂ semiconductor nanocrystals for bioimaging. 2013 , 138, 6144-53 | 49 |
| 378 | ZnO:Er,Yb,Gd Particles Designed for Magnetic-Fluorescent Imaging and Near-Infrared Light Triggered Photodynamic Therapy. 2013 , 117, 23716-23729 | 30 |
| 377 | Ambient temperature synthesis of citrate stabilized and biofunctionalized, fluorescent calcium fluoride nanocrystals for targeted labeling of cancer cells. 2013 , 1, 294-305 | 37 |
| 376 | Structure of cadmium sulfide nanoparticle micelle in aqueous solutions. 2013 , 62, 398-402 | 11 |
| 375 | Magnetic nanoparticle-based cancer nanodiagnostics. 2013 , 22, 058702 | 11 |
| 374 | Near-infrared-emitting nanoparticles for lifetime-based multiplexed analysis and imaging of living cells. 2013 , 7, 6674-84 | 51 |
| 373 | Simultaneous synthesis and amine-functionalization of single-phase BaYF ₅ :Yb/Er nanoprobe for dual-modal in vivo upconversion fluorescence and long-lasting X-ray computed tomography imaging. 2013 , 5, 6023-9 | 74 |
| 372 | Modulation of hydrogel nanoparticle intracellular trafficking by multivalent surface engineering with tumor targeting peptide. 2013 , 5, 10327-44 | 16 |
| 371 | Gd ₂ O ₃ nanoparticles: size-dependent nuclear magnetic resonance. 2013 , 8, 92-5 | 38 |
| 370 | Surface engineering of inorganic nanoparticles for imaging and therapy. 2013 , 65, 622-48 | 262 |
| 369 | Fluorescent Nanosensors Based on Fluorescence Resonance Energy Transfer (FRET). 2013 , 52, 11228-11245 | 188 |

| | | |
|-----|--|-----|
| 368 | Light-triggered biocatalysis using thermophilic enzyme-gold nanoparticle complexes. 2013 , 7, 654-63 | 64 |
| 367 | Quantitative dosimetric assessment for effect of gold nanoparticles as contrast media on radiotherapy planning. 2013 , 88, 14-20 | 10 |
| 366 | Novel functional Renilla luciferase mutant provides long-term serum stability and high luminescence activity. 2013 , 91, 215-20 | 5 |
| 365 | The reduction of tumor interstitial fluid pressure by liposomal imatinib and its effect on combination therapy with liposomal doxorubicin. 2013 , 34, 2277-88 | 66 |
| 364 | Preparation and characterization of ZnS:Tb,Gd and ZnS:Er,Yb,Gd nanoparticles for bimodal magnetic-fluorescent imaging. 2013 , 42, 1752-9 | 22 |
| 363 | Cytotoxic aspects of gadolinium oxide nanostructures for up-conversion and NIR bioimaging. 2013 , 9, 4734-43 | 57 |
| 362 | Preparation, characterization, and utilization of multi-functional magnetic-fluorescent composites for bio-imaging and magnetic hyperthermia therapy. 2013 , 3, 7838 | 20 |
| 361 | Nanophotosensitizers toward advanced photodynamic therapy of Cancer. 2013 , 334, 176-87 | 205 |
| 360 | Efficient energy transfer mediated by intrinsic SiO ₂ nanocrystals in Eu ³⁺ -doped lead borosilicate glasses. 2013 , 139, 471-477 | 5 |
| 359 | Hydrophilic hybrid materials with magnetism & NIR fluorescence via surface-initiated RAFT polymerization. 2013 , 1, 3257-3266 | 2 |
| 358 | Synthesis and characterization of near IR fluorescent albumin nanoparticles for optical detection of colon cancer. 2013 , 33, 923-31 | 22 |
| 357 | Synthesis and characterization of a calix[4]arene amphiphilie bearing cysteine and uniform Au nanoparticle formation templated by its four cysteine moieties. 2013 , 29, 13666-75 | 21 |
| 356 | Evaluation of cytotoxicity, biophysics and biomechanics of cells treated with functionalized hybrid nanomaterials. 2013 , 10, 20130694 | 18 |
| 355 | ELLAGIC ACID DIRECTED GROWTH OF AuPt BIMETALLIC NANOPARTICLES AND THEIR CATALYTIC APPLICATIONS. 2013 , 12, 1250037 | 1 |
| 354 | Insights into hydrogen bond dynamics at the interface of the charged monolayer-protected Au nanoparticle from molecular dynamics simulation. 2013 , 138, 184703 | 18 |
| 353 | Substrate-free self-assembled SiO _x -core nanodots from alkylalkoxysilane as a multicolor photoluminescence source for intravital imaging. 2013 , 3, 1703 | 12 |
| 352 | Quantum Dot Synthesis Methods. 2013 , 1-42 | |
| 351 | Functionalizable silica-based micron-sized iron oxide particles for cellular magnetic resonance imaging. 2013 , 22, 1959-70 | 12 |

| | | |
|-----|--|-----|
| 350 | Medical Use of Nanoparticles: Drug Delivery and Diagnosis Diseases. 2013 , 1, 194308921350697 | 19 |
| 349 | Facile synthesis and potential bioimaging applications of hybrid upconverting and plasmonic NaGdF ₄ : Yb ³⁺ , Er ³⁺ /silica/gold nanoparticles. 2013 , 3, 275-81 | 61 |
| 348 | Progress on the diagnosis and evaluation of brain tumors. 2013 , 13, 466-81 | 24 |
| 347 | Photosensitive fluorescent dye contributes to phototoxicity and inflammatory responses of dye-doped silica NPs in cells and mice. 2014 , 4, 445-59 | 12 |
| 346 | Optimizing the synthesis of CdS/ZnS core/shell semiconductor nanocrystals for bioimaging applications. 2014 , 5, 919-26 | 23 |
| 345 | Synthesis and characterization of bioactive conjugated near-infrared fluorescent proteinoid-poly(L-lactic acid) hollow nanoparticles for optical detection of colon cancer. 2014 , 9, 5041-53 | 10 |
| 344 | Keggin-lysine hybrid nanostructures in the shape modulation of gold. 2014 , 1, 015007 | 3 |
| 343 | Nanomaterial-Based Bioimaging Probes. 2014 , 201-228 | |
| 342 | Photoacoustic and ultrasound imaging using dual contrast perfluorocarbon nanodroplets triggered by laser pulses at 1064 nm. 2014 , 5, 3042-52 | 45 |
| 341 | Safety concerns towards the biomedical application of PbS nanoparticles: An approach through protein-PbS interaction and corona formation. 2014 , 104, 123703 | 16 |
| 340 | Silica nanoparticle uptake induces survival mechanism in A549 cells by the activation of autophagy but not apoptosis. 2014 , 224, 84-92 | 55 |
| 339 | Nanomaterials in combating cancer: therapeutic applications and developments. 2014 , 10, 19-34 | 162 |
| 338 | Design and development of fluorescent nanostructures for bioimaging. 2014 , 39, 365-395 | 227 |
| 337 | The effect of energy density on yield of silicon nanoparticles prepared by pulsed laser ablation in liquid. 2014 , 117, 131-135 | 20 |
| 336 | Synthesis of near-infrared fluorescent, elongated ring-like Ag ₂ Se colloidal nanoassemblies. 2014 , 4, 16641 | 21 |
| 335 | Counterion-enhanced cyanine dye loading into lipid nano-droplets for single-particle tracking in zebrafish. 2014 , 35, 4950-7 | 47 |
| 334 | Reduction of nonspecific binding for cellular imaging using quantum dots conjugated with vitamin E. 2014 , 60, 1591-1597 | 2 |
| 333 | Rational evaluation of the utilization of PEG-PEI copolymers for the facilitation of silica nanoparticulate systems in biomedical applications. 2014 , 418, 300-10 | 33 |

| | | |
|-----|---|----------|
| 332 | Hydrophobic penetrating peptide PFVYLI-modified stealth liposomes for doxorubicin delivery in breast cancer therapy. 2014 , 35, 2283-94 | 75 |
| 331 | Core-shell silver nanoparticles for optical labeling of cells. 2014 , 458, 43-8 | 5 |
| 330 | New biodegradable bisphosphonate vinylic monomers and near infrared fluorescent nanoparticles for biomedical applications. 2014 , 25, 499-506 | 7 |
| 329 | Chemistry, biology, and medicine of fluorescent nanomaterials and related systems: new insights into biosensing, bioimaging, genomics, diagnostics, and therapy. 2014 , 114, 6130-78 | 561 |
| 328 | Synthesis of biocompatible near infrared fluorescence Ag2S quantum dot and its application in bioimaging. 2014 , 07, 1350059 | 16 |
| 327 | Ex vivo assessment of polyol coated-iron oxide nanoparticles for MRI diagnosis applications: toxicological and MRI contrast enhancement effects. 2014 , 16, 1 | 16 |
| 326 | Core/shell nanoparticles in biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2014 , 209, 8-39 | 14.3 327 |
| 325 | Disassembly-driven fluorescence turn-on of polymerized micelles by reductive stimuli in living cells. 2014 , 20, 16473-7 | 21 |
| 324 | Fluorescent carbon nanoparticles derived from natural materials of mango fruit for bio-imaging probes. 2014 , 6, 15196-202 | 69 |
| 323 | Fluorescent topographic nanopatterns by fluorophore-functionalized diblock copolymers. 2014 , 4, 41336-41340 | |
| 322 | Layer-by-Layer Assembly of Light-Responsive Polymeric Multilayer Systems. 2014 , 24, 5624-5648 | 88 |
| 321 | Novel route towards large scale synthesis of bright, water dispersible core-shell fluorescent dye doped organosilicate nanoparticles. 2014 , | |
| 320 | Poly Eyclodextrin/TPdye nanomicelle-based two-photon nanoprobe for caspase-3 activation imaging in live cells and tissues. 2014 , 86, 11440-50 | 37 |
| 319 | Simple, common but functional: biocompatible and luminescent rare-earth doped magnesium and calcium hydroxides from miniemulsion. 2014 , 2, 6639-6651 | 10 |
| 318 | PEGylated NaLuF4: Yb/Er upconversion nanophosphors for in vivo synergistic fluorescence/X-ray bioimaging and long-lasting, real-time tracking. 2014 , 35, 9689-97 | 51 |
| 317 | Bioinspired Functionalized Nanoparticles as Tools for Detection, Quantification and Targeting of Biomolecules. 2014 , 391-424 | |
| 316 | Intrinsic optical bistability and frequency upconversion in Tm3+-Yb3+-codoped Y2WO6 phosphor. 2014 , 43, 13563-70 | 66 |
| 315 | Effective production of fluorescent nanodiamonds containing negatively-charged nitrogen-vacancy centers by ion irradiation. 2014 , 49, 33-38 | 16 |

- 314 Surface Analytical Study of Poly(acrylic acid)-Grafted Microparticles (Beads): Characterization, Chemical Derivatization, and Quantification of Surface Carboxyl Groups. **2014**, 118, 20393-20404 32
- 313 Förster Resonance Energy Transfer and Laser Efficiency in Colloidal Suspensions of Dye-Doped Nanoparticles: Concentration Effects. **2014**, 118, 13107-13117 21
- 312 Low temperature synthesis of PbS and CdS nanoparticles in olive oil. **2014**, 27, 191-196 17
- 311 Aqueous self-assembly and surface-functionalized nanodots for live cell imaging and labeling. **2014**, 7, 1164-1176 9
- 310 Fabrication of versatile cyclodextrin-functionalized upconversion luminescence nanoplatfrom for biomedical imaging. **2014**, 86, 6508-15 42
- 309 Engineering of near infrared fluorescent proteinoid-poly(L-lactic acid) particles for in vivo colon cancer detection. **2014**, 12, 30 30
- 308 BaZnLa₂O₅:Ho³⁺-Yb³⁺ phosphor for display and security ink application. **2014**, 31, 2201 33
- 307 In vivo fate of avidin-nucleic acid nanoassemblies as multifunctional diagnostic tools. **2014**, 8, 175-87 30
- 306 Combined mTOR inhibitor rapamycin and doxorubicin-loaded cyclic octapeptide modified liposomes for targeting integrin β in triple-negative breast cancer. **2014**, 35, 5347-5358 69
- 305 Robust, ultrasmall organosilica nanoparticles without silica shells. **2014**, 16, 1 2
- 304 Approaching the in vitro clinical trial: engineering organs on chips. **2014**, 14, 3181-6 82
- 303 Nanoparticle-encapsulated vis- and NIR-emissive fluorophores with different fluorescence decay kinetics for lifetime multiplexing. **2014**, 406, 3315-22 21
- 302 Assembly of Polymers/Metal Nanoparticles and their Applications as Medical Devices. **2014**, 37-61
- 301 Conclusion. **2015**, 515-636
- 300 Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. **2015**, 118, 143104 86
- 299 Size-dependent production of radicals in catalyzed reduction of Eosin Y using gold nanorods. **2015**, 17, 1
- 298 Scalable fractionation of iron oxide nanoparticles using a CO₂ gas-expanded liquid system. **2015**, 17, 1 4
- 297 A Series of Imidazole Derivatives: Synthesis, Two-Photon Absorption, and Application for Bioimaging. **2015**, 2015, 965386 9

- 296 Synthesis and Characterization of NIR Fluorescent Polystyrene/Polystyrylbisphosphonate Core Shell Microspheres. **2015**, 190, 870-878
- 295 Real-time, non-invasive monitoring of hydrogel degradation using LiYF₄:Yb(3+)/Tm(3+) NIR-to-NIR upconverting nanoparticles. **2015**, 7, 11255-62 47
- 294 A low-cost optical transducer utilizing common electronics components for the gold nanoparticle-based immunosensing application. **2015**, 220, 233-242 16
- 293 Multifunctional hydroxyapatite nanoparticles for drug delivery and multimodal molecular imaging. **2015**, 182, 1567-1589 71
- 292 A three-dimensional flow focusing microsecond mixer for dynamic assessment of nanoparticle formation. **2015**,
- 291 Laser-induced bubble generation on a gold nanoparticle: A nonsymmetrical description. **2015**, 92, 062301 5
- 290 Luminescence of Y₃Al₅O₁₂:Eu³⁺ nanophosphors in blood and organic media. **2015**, 48, 075401 24
- 289 Toxicology of Nanobiomaterials. **2015**, 171-184 1
- 288 Design, synthesis, and characterization of graphene-nanoparticle hybrid materials for bioapplications. **2015**, 115, 2483-531 514
- 287 Dispersed Gold Nanoparticles Supported in the Pores of Siliceous Mesocellular Foam: A Catalyst for Cycloisomerization of Alkynoic Acids to α -Alkylidene Lactones. **2015**, 2015, 2250-2255 10
- 286 Passive tumor targeting and imaging by using mercaptosuccinic acid-coated near-infrared quantum dots. **2015**, 10, 335-45 18
- 285 Pharmaceutical and biomedical applications of quantum dots. **2016**, 44, 758-68 36
- 284 Enhanced Third-Harmonic Generation from a Metal/Semiconductor Core/Shell Hybrid Nanostructure. **2015**, 9, 8064-9 23
- 283 Covalent bridging of surface functionalized Fe₃O₄ and YPO₄:Eu nanostructures for simultaneous imaging and therapy. **2015**, 44, 14686-96 28
- 282 A rather facile strategy for the fabrication of PEGylated AIE nanoprobes. **2015**, 6, 5288-5294 53
- 281 Impacts of Copper Position on the Electronic Structure of [Au₂₅-xCu_x(SH)₁₈] Nanoclusters. **2015**, 119, 8290-8298 24
- 280 Nanoparticle-decorated ceramic as substrate in surface enhanced Raman spectroscopy. **2015**, 336, 16-20 8
- 279 Role of Symmetry in Coupled Localized Surface Plasmon Resonance of a Nanosphere Pair. **2015**, 10, 643-653 4

| | | |
|-----|---|-----|
| 278 | Studying of the photoluminescence characteristics of AgInS ₂ quantum dots. 2015 , 17, 1 | 9 |
| 277 | Cadmium sulfide nanoparticles prepared by chemical bath deposition. 2015 , 84, 225-250 | 41 |
| 276 | Ultrastable Suspensions of Polyoxazoline-Functionalized ZnO Single Nanocrystals. 2015 , 27, 2957-2964 | 25 |
| 275 | Synthesis, characterization, and cytotoxicity in human erythrocytes of multifunctional, magnetic, and luminescent nanocrystalline rare earth fluorides. 2015 , 17, 399 | 32 |
| 274 | Silica nanoparticles-mediated stable genetic transformation in <i>Nicotiana tabacum</i> . 2015 , 31, 976-981 | 5 |
| 273 | Sensing the Whole Body and Clinical Diagnostics. 2015 , 677-717 | |
| 272 | Submicron polycaprolactone particles as a carrier for imaging contrast agent for in vitro applications. 2015 , 136, 488-95 | 8 |
| 271 | Fluorescent nanoparticles for the accurate detection of drug delivery. 2015 , 12, 1881-94 | 21 |
| 270 | Mn ²⁺ anchored CdS polymer nanocomposites: An efficient alternative for Mn ²⁺ doped CdS nanoparticles. 2015 , 168, 178-185 | 8 |
| 269 | Synthesis, Characterization, Fluorescence, Photocatalytic and Antibacterial Activity of CdS Nanoparticles Using Schiff Base. 2015 , 25, 1481-92 | 26 |
| 268 | Contrasting effects of nanoparticle-protein attraction on amyloid aggregation. 2015 , 5, 105498 | 40 |
| 267 | Fabrication of MPEG-b-PMAA capped YVO ₄ :Eu nanoparticles with biocompatibility for cell imaging. 2015 , 136, 721-8 | 9 |
| 266 | Nanomaterials for theranostics: recent advances and future challenges. 2015 , 115, 327-94 | 883 |
| 265 | Diethylamino functionalized tetraphenylethenes: structural and electronic modulation of photophysical properties, implication for the CIE mechanism and application to cell imaging. 2015 , 3, 112-120 | 81 |
| 264 | Solid silica nanoparticles: applications in molecular imaging. 2015 , 10, 1-17 | 31 |
| 263 | Silica-based nanoparticles: a versatile tool for the development of efficient imaging agents. 2015 , 44, 4645-71 | 103 |
| 262 | A comprehensive study of iRGD-modified liposomes with improved chemotherapeutic efficacy on B16 melanoma. 2015 , 22, 10-20 | 33 |
| 261 | Characterization and Optical and Dielectric Properties of Polyvinyl Chloride/Silica Nanocomposites Films. 2016 , 2016, 1-13 | 48 |

| | | |
|-----|--|-----|
| 260 | Perspective of Fe ₃ O ₄ Nanoparticles Role in Biomedical Applications. 2016 , 2016, 7840161 | 106 |
| 259 | Upconversion Nanoparticles for Bioimaging and Regenerative Medicine. 2016 , 4, 47 | 61 |
| 258 | Linear and Non-Linear Optical Imaging of Cancer Cells with Silicon Nanoparticles. 2016 , 17, | 24 |
| 257 | Self-Activated Fluorescent Hydroxyapatite Nanoparticles: A Promising Agent for Bioimaging and Biolabeling. 2016 , 2, 1257-1264 | 61 |
| 256 | Fluorescence enhancement in visible light: dielectric or noble metal?. 2016 , 18, 19324-35 | 30 |
| 255 | Wide-field time-gated photoluminescence microscopy for fast ultrahigh-sensitivity imaging of photoluminescent probes. 2016 , 9, 848-58 | 12 |
| 254 | Dextran-Coated Antiferromagnetic MnO Nanoparticles for a T1-MRI Contrast Agent with High Colloidal Stability. 2016 , 33, 167-176 | 19 |
| 253 | Small Upconverting Fluorescent Nanoparticles for Biosensing and Bioimaging. 2016 , 4, 984-997 | 69 |
| 252 | Magnetic nanoparticle composed nanowires fabricated by ultrashort laser ablation in air. 2016 , 108, 043107 | 13 |
| 251 | Biodistribution of biodegradable polymeric nano-carriers loaded with busulphan and designed for multimodal imaging. 2016 , 14, 82 | 21 |
| 250 | Real-time imaging and tracking of ultrastable organic dye nanoparticles in living cells. 2016 , 93, 38-47 | 26 |
| 249 | Reducible self-assembling cationic polypeptide-based micelles mediate co-delivery of doxorubicin and microRNA-34a for androgen-independent prostate cancer therapy. 2016 , 232, 203-14 | 67 |
| 248 | Novel green and red autofluorescent protein nanoparticles for cell imaging and in vivo biodegradation imaging and modeling. 2016 , 6, 50091-50099 | 10 |
| 247 | Smart Polymeric Nanoparticles as Emerging Tools for Imaging--The Parallel Evolution of Materials. 2016 , 22, 3612-20 | 14 |
| 246 | A nanomedicine based combination therapy based on QLPVM peptide functionalized liposomal tamoxifen and doxorubicin against Luminal A breast cancer. 2016 , 12, 387-97 | 15 |
| 245 | Modulation of thulium upconversion in potassium tetraphosphate (KLaP ₄ O ₁₂) nanocrystals by co-doping with Yb ³⁺ ions. 2016 , 4, 2513-2517 | 7 |
| 244 | Downregulation of thymidylate synthase by RNAi molecules enhances the antitumor effect of pemetrexed in an orthotopic malignant mesothelioma xenograft mouse model. 2016 , 48, 1399-407 | 15 |
| 243 | Emission stability and reversibility of upconversion nanocrystals. 2016 , 4, 9227-9234 | 21 |

| | | |
|-----|--|-----|
| 242 | Application of Nanoparticles. 2016 , 163-193 | 5 |
| 241 | Overcoming Autofluorescence: Long-Lifetime Infrared Nanoparticles for Time-Gated In Vivo Imaging. 2016 , 28, 10188-10193 | 83 |
| 240 | Semiconductor Quantum Dots in Bioanalysis. 2016 , 1-25 | 1 |
| 239 | RGD conjugated, Cy5.5 labeled polyamidoamine dendrimers for targeted near-infrared fluorescence imaging of esophageal squamous cell carcinoma. 2016 , 6, 74560-74566 | 8 |
| 238 | Persistent Luminescent Nanocarrier as an Accurate Tracker in Vivo for Near Infrared-Remote Selectively Triggered Photothermal Therapy. 2016 , 8, 21603-11 | 37 |
| 237 | Infrared-Emitting QDs for Thermal Therapy with Real-Time Subcutaneous Temperature Feedback. 2016 , 26, 6060-6068 | 92 |
| 236 | Iron Oxides and Their Silica Nanocomposites as Biocompatible Systems for Biomedical Applications. 2016 , 529-542 | 1 |
| 235 | Synthesis, characterization and evaluation of in vitro toxicity in hepatocytes of linear polyesters with varied aromatic and aliphatic co-monomers. 2016 , 244, 214-228 | 3 |
| 234 | Advances in Nanoparticle-Based Medical Diagnostic and Therapeutic Techniques. 2016 , 197-234 | |
| 233 | One-step preparation of pyrene-doped silica particles with tunable emission and their application for ethanol detection. 2016 , 506, 306-312 | 3 |
| 232 | Magnetic nanoparticles with multifunctional water-soluble polymers for bioapplications. 2016 , 485-515 | |
| 231 | A Three-Dimensional Flow Focusing Microsecond Mixer for Dynamic Assessment of Nanoparticle Formation. 2016 , 15, 828-835 | 1 |
| 230 | Near-infrared (808 and 980 nm) excited photoluminescence study in Nd-doped YO phosphor for bio-imaging. 2016 , 4, 044005 | 10 |
| 229 | In vivo autofluorescence in the biological windows: the role of pigmentation. 2016 , 9, 1059-1067 | 71 |
| 228 | Nanochemistry and Nanomedicine for Nanoparticle-based Diagnostics and Therapy. 2016 , 116, 2826-85 | 962 |
| 227 | Biocleavable Oligolysine-Grafted Poly(disulfide amine)s as Magnetic Resonance Imaging Probes. 2016 , 27, 151-8 | 4 |
| 226 | Quantitative assessment of hyperspectral imaging in detection of plasmonic nanoparticles: a modified contrast-detail analysis approach. 2016 , | |
| 225 | Ultrasmall inorganic nanoparticles: State-of-the-art and perspectives for biomedical applications. 2016 , 12, 1663-701 | 178 |

| | | |
|-----|---|-----|
| 224 | Preparation of Nanomaterials in Flow at Supercritical Conditions from Coordination Complexes. 2016 , 177-211 | 4 |
| 223 | FITC-Dextran entrapped and silica coated gadolinium oxide nanoparticles for synchronous optical and magnetic resonance imaging applications. 2016 , 506, 242-52 | 23 |
| 222 | One step emission tunable synthesis of PEG coated AgS NIR quantum dots and the development of receptor targeted drug delivery vehicles thereof. 2016 , 4, 1941-1950 | 23 |
| 221 | Surface Modification of Gd Nanoparticles with pH-Responsive Block Copolymers for Use As Smart MRI Contrast Agents. 2016 , 8, 5040-50 | 29 |
| 220 | Triple Hit with Drug Carriers: pH- and Temperature-Responsive Theranostics for Multimodal Chemo- and Photothermal Therapy and Diagnostic Applications. 2016 , 8, 8967-79 | 85 |
| 219 | Laser induced morphological and optical properties changes in Au doped aluminum oxide and silicon oxide thin films. 2016 , 79, 179-187 | 4 |
| 218 | Design and preparation of poly(vinyl alcohol) flexible nanocomposite films containing silica nanoparticles with citric acid and ascorbic acid linkages as a novel nanofiller through a green route. 2016 , 21, 29-43 | 17 |
| 217 | NIR optimized dual mode photoluminescence in Nd doped Y2O3 ceramic phosphor. 2017 , 185, 92-98 | 8 |
| 216 | Efficient production of hybrid bio-nanomaterials by continuous microchannel emulsification: Dye-doped SiO ₂ and Au-PLGA nanoparticles. 2017 , 316, 663-672 | 17 |
| 215 | One pot synthesis of amine-functionalized and angular-shaped superparamagnetic iron oxide nanoparticles for MR/fluorescence bimodal imaging application. 2017 , 7, 12876-12885 | 8 |
| 214 | Silica nanoparticle coated long-period grating for in situ monitoring of drug delivery thin films. 2017 , | 1 |
| 213 | Exploring Protein-Nanoparticle Interactions with Coarse-Grained Protein Folding Models. 2017 , 13, 1603748 | 25 |
| 212 | Recent progress in biomedical applications of persistent luminescence nanoparticles. 2017 , 9, 6204-6218 | 122 |
| 211 | Multifunctional magnetic-fluorescent Ni-doped ZnAl ₂ O ₄ nanoparticles with second biological NIR window fluorescence. 2017 , 93, 310-317 | 8 |
| 210 | Emission enhancement through Nd-Yb energy transfer in multifunctional NaGdF nanocrystals. 2017 , 110, 223107 | 11 |
| 209 | Mechanochemistry of Chitosan-Coated Zinc Sulfide (ZnS) Nanocrystals for Bio-imaging Applications. 2017 , 12, 328 | 27 |
| 208 | Ultrasmall Conjugated Polymer Nanoparticles with High Specificity for Targeted Cancer Cell Imaging. 2017 , 4, 1600407 | 30 |
| 207 | Antibodies and associates: Partners in targeted drug delivery. 2017 , 177, 129-145 | 45 |

| | | | |
|-----|--|------|-----|
| 206 | Aqueous-phase synthesis of iron oxide nanoparticles and composites for cancer diagnosis and therapy. <i>Advances in Colloid and Interface Science</i> , 2017 , 249, 374-385 | 14.3 | 23 |
| 205 | Anisotropic noble metal nanoparticles: Synthesis, surface functionalization and applications in biosensing, bioimaging, drug delivery and theranostics. 2017 , 49, 45-65 | | 63 |
| 204 | Facile fabrication of tissue-engineered constructs using nanopatterned cell sheets and magnetic levitation. 2017 , 28, 075103 | | 12 |
| 203 | Recent Advances in Synthesis and Biomedical Applications of Two-Dimensional Transition Metal Dichalcogenide Nanosheets. 2017 , 13, 1602660 | | 167 |
| 202 | Multifunctional Hybrids Based on 2D Fluorinated Graphene Oxide and Superparamagnetic Iron Oxide Nanoparticles. 2017 , 34, 1700245 | | 5 |
| 201 | Iron oxide nanoparticles with different polymer coatings for photothermal therapy. 2017 , 19, 1 | | 16 |
| 200 | Molecular design of upconversion nanoparticles for gene delivery. 2017 , 8, 7339-7358 | | 30 |
| 199 | Chemistry and engineering of cyclodextrins for molecular imaging. 2017 , 46, 6379-6419 | | 71 |
| 198 | Charge-Neutral, Stable, Non-Cytotoxic, Near-Infrared SnS Aqueous Quantum Dots for High Signal-to-Noise-Ratio Biomedical Imaging. 2017 , 2, 7332-7339 | | 5 |
| 197 | Preparation and Self-Assembly of Dendronized Janus FeO-Pt and FeO-Au Heterodimers. 2017 , 11, 7958-7966 | | 37 |
| 196 | SiO ₂ shell formation mechanism and enlargement on hydrophobized nanoparticles via a reverse microemulsion process. 2017 , 84, 110-117 | | 5 |
| 195 | Domain Formation and Conformational Changes in Gold Nanoparticle Conjugates Studied Using DPD Simulations. 2017 , 33, 14502-14512 | | 8 |
| 194 | Role of silica nanoparticles in monitoring and prolonging release of drug-eluting polyelectrolyte coatings using long-period fiber grating platform. 2017 , 252, 831-839 | | 10 |
| 193 | One-step self-assembled epoxide-containing nanodots as an enzyme-immobilized platform for biosensing. 2017 , 240, 674-680 | | 4 |
| 192 | Color-stable water-dispersed cesium lead halide perovskite nanocrystals. 2017 , 9, 631-636 | | 87 |
| 191 | Synthesis of disperse amorphous SiO ₂ nanoparticles via sol-gel process. 2017 , 43, 192-196 | | 46 |
| 190 | The Application, Neurotoxicity, and Related Mechanism of Silica Nanoparticles. 2017 , 227-257 | | 5 |
| 189 | 2.1 Bio-Inspired Silica Nanomaterials for Biomedical Applications. 2017 , 1-17 | | |

| | | |
|-----|---|-----|
| 188 | Nanotechnology in Drug Discovery and Development. 2017 , 264-295 | 0 |
| 187 | Functionalisation of Colloidal Transition Metal Sulphides Nanocrystals: A Fascinating and Challenging Playground for the Chemist. 2017 , 7, 110 | 17 |
| 186 | ZnO Nanoparticle Modification by Polyethylenimine for Biomolecule Conjugation. 2017 , 12, 613-619 | 3 |
| 185 | Synthesis and Biomedical Applications of Multifunctional Magnetic Nanoparticles. 2017 , 38, 35-41 | |
| 184 | Rose Bengal attached and dextran coated gadolinium oxide nanoparticles for potential diagnostic imaging applications. 2018 , 117, 362-370 | 7 |
| 183 | Temperature responsive nanoparticles: poloxamers as a modulator of Förster resonance energy transfer (FRET). 2018 , 10, 9401-9409 | 3 |
| 182 | Modelling the synthesis of nanoparticles in continuous microreactors: The role of diffusion and residence time distribution on nanoparticle characteristics. 2018 , 350, 1144-1154 | 21 |
| 181 | Composite smart mesoporous silica nanoparticles as promising therapeutic and diagnostic candidates: Recent trends and applications. 2018 , 44, 349-365 | 34 |
| 180 | Fluorescent Organic Nanoparticles Constructed by a Facile Self-Isolation Enhanced Emission Strategy for Cell Imaging. 2018 , 1, 2324-2331 | 15 |
| 179 | Polymer/SiO ₂ nanocomposites: Production and applications. 2018 , 97, 409-447 | 100 |
| 178 | Cell penetrating peptides functionalized gambogic acid-nanostructured lipid carrier for cancer treatment. 2018 , 25, 757-765 | 20 |
| 177 | Effect of Different Acids and Solvents on Optical Properties of SiO ₂ Nanoparticles Prepared by the Sol-Gel Process. 2018 , 10, 413-419 | 10 |
| 176 | Extracting pulmonary surfactants to form inverse micelles on suspended graphene nanosheets. 2018 , 5, 130-140 | 15 |
| 175 | Substrate Effects of Noble Metal Nanostructures Prepared by Sputtering. 2018 , | 1 |
| 174 | Recent Advances of Novel Proteinoids and Proteinoid Nanoparticles and Their Applications in Biomedicine and Industrial Uses. 2018 , 58, 1277-1285 | 8 |
| 173 | Engineering bright fluorescent nitrogen-vacancy (NV) nano-diamonds: Role of low-energy ion-irradiation parameters. 2018 , 8, 085023 | 8 |
| 172 | Computational Investigations of the Interaction between the Cell Membrane and Nanoparticles Coated with a Pulmonary Surfactant. 2018 , 10, 20368-20376 | 29 |
| 171 | Ion-Selective Ligands: How Colloidal Nano- and Micro-Particles Can Introduce New Functionalities. 2018 , 232, 1307-1317 | 5 |

| | | |
|-----|--|----|
| 170 | Rhodamine capped gold nanoparticles for the detection of Cr ³⁺ ion in living cells and water samples. 2018 , 202, 282-288 | 14 |
| 169 | Bio-Sensing Performance of Magnetite Nanocomposite for Biomedical Applications. 2018 , 165-196 | 0 |
| 168 | Functionalization of silica nanoparticles for nucleic acid delivery. 2018 , 11, 5219-5239 | 26 |
| 167 | The anticancer efficacy of paclitaxel liposomes modified with low-toxicity hydrophobic cell-penetrating peptides in breast cancer: an and evaluation.. 2018 , 8, 24084-24093 | 12 |
| 166 | Characterizing the Surface Coverage of Protein-Gold Nanoparticle Bioconjugates. 2018 , 29, 2691-2700 | 29 |
| 165 | Aggregation-Induced Emission Nanoparticles Encapsulated with PEGylated Nano Graphene Oxide and Their Applications in Two-Photon Fluorescence Bioimaging and Photodynamic Therapy in Vitro and in Vivo. 2018 , 10, 25037-25046 | 46 |
| 164 | Nanotechnology: a promising method for oral cancer detection and diagnosis. 2018 , 16, 52 | 57 |
| 163 | A review on core-shell structured unimolecular nanoparticles for biomedical applications. 2018 , 130, 58-72 | 41 |
| 162 | Cerium oxide nanoparticles with antioxidant capabilities and gadolinium integration for MRI contrast enhancement. 2018 , 8, 6999 | 73 |
| 161 | Genotoxic, cytotoxic, antimicrobial and antioxidant properties of gold nanoparticles synthesized by Nocardia sp. GTS18 using response surface methodology. 2018 , 5, 115402 | 7 |
| 160 | Surface PEGylation and biological imaging of fluorescent Tb-doped layered double hydroxides through the photoinduced RAFT polymerization. 2018 , 532, 641-649 | 9 |
| 159 | Liposome-Based Drug Delivery for Brain Tumor Theranostics. 2018 , 245-266 | 2 |
| 158 | Heparin-Mimicking Sulfonated Polymer Nanoparticles via RAFT Polymerization-Induced Self-Assembly. 2019 , 40, e1800314 | 22 |
| 157 | Soft-Nanoparticle Functionalization of Natural Hydrogels for Tissue Engineering Applications. 2019 , 8, e1900506 | 62 |
| 156 | Synthesis of upconversion zirconia nanoparticles for bioimaging. 2019 , 525, 012028 | 1 |
| 155 | Synthesis of NIR Emitting Rare Earth Doped Fluorapatite Nanoparticles for Bioimaging Applications. 2019 , 9, 80-93 | 2 |
| 154 | All optical formation and decomposition of silver nanoparticles in glass. 2019 , 495, 143546 | 3 |
| 153 | Biomimetic nanoparticles and self-propelled micromotors for biomedical applications. 2019 , 1-31 | 2 |

| | | |
|-----|---|-----|
| 152 | Measuring Ultrafast Spectral Diffusion and Correlation Dynamics by Two-Dimensional Electronic Spectroscopy. 2019 , 14, 3992-4000 | 6 |
| 151 | Dimeric c(RGD) peptide conjugated nanostructured lipid carriers for efficient delivery of Gambogic acid to breast cancer. 2019 , 14, 6179-6195 | 16 |
| 150 | High-speed imaging and tracking of very small single nanoparticles by contrast enhanced microscopy. 2019 , 11, 568-577 | 20 |
| 149 | Fluorescent property of glycol chitosan-fluorescein isothiocyanate conjugate for bio-imaging material. 2019 , 135, 1217-1221 | 13 |
| 148 | Green Fluorescent Protein Nanovessel Serves as a Nucleolus Targeting Material and Molecule Carrier in Living Cells. 2019 , 3, e1900047 | |
| 147 | Emulsion Techniques for the Production of Pharmacological Nanoparticles. 2019 , 19, e1900063 | 32 |
| 146 | Intrinsic fluorescence from cellulose nanofibers and nanoparticles at cell friendly wavelengths. 2019 , 4, 020803 | 9 |
| 145 | Nanodiamonds for advanced optical bioimaging and beyond. 2019 , 39, 220-231 | 34 |
| 144 | Influence of crowding and surfaces on protein amyloidogenesis: A thermo-kinetic perspective. 2019 , 1867, 941-953 | 3 |
| 143 | Raman Green Spectroscopy for Ultrasensitive Analyte Detection. 2019 , 165-190 | |
| 142 | Silica-Based Nanostructures in Biomedicine. 2019 , 73-88 | 2 |
| 141 | Disperse ultrafine amorphous SiO ₂ nanoparticles synthesized via precipitation and calcination. 2019 , 568, 445-454 | 5 |
| 140 | An improved class of fluorescent silica nanoparticles for indirect immunofluorescence detection of MCF-7 cells. 2019 , 88, 147-154 | 3 |
| 139 | Conjugated Polymer Nanoparticles for Imaging, Cell Activity Regulation, and Therapy. 2019 , 29, 1806818 | 137 |
| 138 | Magnetic-Plasmonic Heterodimer Nanoparticles: Designing Contemporarily Features for Emerging Biomedical Diagnosis and Treatments. 2019 , 9, | 12 |
| 137 | Enhanced luminescence properties of ZnGa ₂ O ₄ :Cr ³⁺ nanoparticles with an average crystallite size of 5 nm. 2019 , 269, 328-335 | 16 |
| 136 | Preparation and characterization of multimodal hybrid organic and inorganic nanocrystals of camptothecin and gold. 2019 , 9, 128-134 | 4 |
| 135 | Dual-modal non-invasive imaging in vitro and in vivo monitoring degradation of PLGA scaffold based gold nanoclusters. 2020 , 107, 110307 | 5 |

| | | |
|-----|--|-----|
| 134 | Highly Luminescent Hydroxyapatite Nanoparticles Hybridized with Citric Acid for Their Bifunctional Cell-Labeling and Cytostatic Suppression Properties. 2020 , 3, 241-256 | 8 |
| 133 | Thermo-responsive Fluorescent Nanoparticles for Multimodal Imaging and Treatment of Cancers. 2020 , 4, 1-13 | 19 |
| 132 | Constitutional Isomerization Enables Bright NIR-II AIEgen for Brain-Inflammation Imaging. 2020 , 30, 1908125 | 109 |
| 131 | Amplified light harvesting for enhancing Italian lettuce photosynthesis using water soluble silicon quantum dots as artificial antennas. 2020 , 12, 155-166 | 17 |
| 130 | Glutathione capped core/shell CdSeS/ZnS quantum dots as a medical imaging tool for cancer cells. 2020 , 112, 107723 | 19 |
| 129 | Luminophore and Magnetic Multicore Nanoassemblies for Dual-Mode MRI and Fluorescence Imaging. 2019 , 10, | 14 |
| 128 | Graphene Quantum Dots as Flourishing Nanomaterials for Bio-Imaging, Therapy Development, and Micro-Supercapacitors. 2020 , 11, | 23 |
| 127 | Highly Luminescent and Anti-Photobleaching Core-Shell Structure of Mesoporous Silica and Phosphatidylcholine Modified Superparamagnetic Iron Oxide Nanoparticles. 2020 , 10, | 1 |
| 126 | Recent advances in optical and optoelectronic data storage based on luminescent nanomaterials. 2020 , 12, 23391-23423 | 13 |
| 125 | Tuning polymers grafted on upconversion nanoparticles for the delivery of 5-fluorouracil. 2020 , 137, 109935 | 0 |
| 124 | Recent advances on inorganic lanthanide-doped NIR-II fluorescence nanoprobe for bioapplication. 2020 , 228, 117627 | 18 |
| 123 | Development of fluorescein isothiocyanate conjugated gellan gum for application of bioimaging for biomedical application. 2020 , 164, 2804-2812 | 1 |
| 122 | Plasmonic Gold Nanostar-Enhanced Multimodal Photoacoustic Microscopy and Optical Coherence Tomography Molecular Imaging To Evaluate Choroidal Neovascularization. 2020 , 5, 3070-3081 | 9 |
| 121 | Synthesis and Characterization of Poly(RGD) Proteinoid Polymers and NIR Fluorescent Nanoparticles of Optimal d,l-Configuration for Drug-Delivery Applications- Study. 2020 , 5, 23568-23577 | 3 |
| 120 | Metal Nanoparticles Supported on Mesoporous Polymers: Realizing the Synergetic Effect to Achieve Superior Catalytic Performance. 2020 , 483-511 | 0 |
| 119 | Engineering of NIR fluorescent PEGylated poly(RGD) proteinoid polymers and nanoparticles for drug delivery applications in chicken embryo and mouse models.. 2020 , 10, 34364-34372 | 4 |
| 118 | Delivery of RNAi-Based Therapeutics for Bone Regeneration. 2020 , 18, 312-324 | 7 |
| 117 | Hydroxyapatite as a biomaterial - a gift that keeps on giving. 2020 , 46, 1035-1062 | 25 |

| | | |
|-----|--|----|
| 116 | Transition metal dichalcogenides for biomedical applications. 2020 , 211-247 | 1 |
| 115 | Low Toxicity, High Resolution, and Red Tissue Imaging in the Vivo of Yb/Tm/GZO@SiO Core-Shell Upconversion Nanoparticles. 2020 , 5, 5346-5355 | 4 |
| 114 | Polymeric Core-Shell Nanoparticles Prepared by Spontaneous Emulsification Solvent Evaporation and Functionalized by the Layer-by-Layer Method. 2020 , 10, | 32 |
| 113 | Characterising the size and shape of metallic nano-structures by their acoustic vibrations. 2020 , 12, 14230-14236 | 36 |
| 112 | Synthesis of folic acid conjugated photoluminescent carbon quantum dots with ultrahigh quantum yield for targeted cancer cell fluorescence imaging. 2020 , 30, 101687 | 11 |
| 111 | Emergence of robust carbon quantum dots as nano-tracer for groundwater studies?. 2020 , 103, 107701 | 2 |
| 110 | Preparation and characterization of stable fluorescent As ₄ S ₄ /ZnS/Fe ₃ O ₄ nanosuspension capped by Poloxamer 407 and folic acid. 2020 , 10, 4651-4660 | 3 |
| 109 | Tetraphenylethene-Based Supramolecular Coordination Frameworks with Aggregation-Induced Emission for an Artificial Light-Harvesting System. 2020 , 12, 22630-22639 | 33 |
| 108 | Core-shell particles for drug-delivery, bioimaging, sensing, and tissue engineering. 2020 , 8, 2756-2770 | 23 |
| 107 | Rare-earth ions integrated silica nanoparticles derived from rice husk via microwave-assisted combustion method for bioimaging applications. 2020 , 46, 18366-18372 | 6 |
| 106 | Fabrication of claviform fluorescent polymeric nanomaterials containing disulfide bond through an efficient and facile four-component Ugi reaction. 2021 , 118, 111437 | 6 |
| 105 | Synthesis of polymer nanoparticles via electrohydrodynamic emulsification-mediated self-assembly. 2021 , 586, 445-456 | 2 |
| 104 | Different PEG-PLGA Matrices Influence In Vivo Optical/Photoacoustic Imaging Performance and Biodistribution of NIR-Emitting E- Conjugated Polymer Contrast Agents. 2021 , 10, e2001089 | 3 |
| 103 | Introduction to Nanomedicines: Basic Concept and Applications. 2021 , 1-23 | |
| 102 | , Nanoparticle-Enabled Fluorescence Imaging?. 2021 , 15, 1917-1941 | 16 |
| 101 | Nanomaterials: Surface Functionalization, Modification, and Applications. 2021 , 405-438 | 0 |
| 100 | Modern applications of quantum dots: Environmentally hazardous metal ion sensing and medical imaging. 2021 , 465-503 | 2 |
| 99 | Essence of nanoparticles and functional nanofillers for conducting polymers. 2021 , 57-76 | |

98 Quantum dots: Synthesis and characterizations. **2021**, 1-35

97 Investigating morphology-dependent antibacterial property of ZnO nanoparticles and developing an insight into oxidative stress generation and cellular response. **2021**, 76, 1339-1348

1

96 Indocyanine green-enhanced multimodal photoacoustic microscopy and optical coherence tomography molecular imaging of choroidal neovascularization. **2021**, 14, e202000458

1

95 Design of Cyclodextrin-Based Functional Systems for Biomedical Applications. **2021**, 9, 635507

9

94 Applications of Nanoparticle-Antibody Conjugates in Immunoassays and Tumor Imaging. **2021**, 23, 43

8

93 Green Synthesis of Engineered CdS Nanoparticles with Reduced Cytotoxicity for Enhanced Bioimaging Application. **2021**, 6, 8646-8655

3

92 Carbon Dots as Promising Tools for Cancer Diagnosis and Therapy. **2021**, 13,

20

91 Dextran/poly-L-arginine multi-layered CaCO₃-based nanosystem for vascular drug delivery. **2021**, 177, 548-558

7

90 Review on the Optical Properties of Nanoparticle Aggregates Towards the Therapeutic Applications. **2021**, 16, 1495-1513

1

89 Green Synthesis of Silica and Silicon Nanoparticles and Their Biomedical and Catalytic Applications. **2021**, 1-56

4

88 Suitability of PEG capped carboxylic acid terminated fluorescent ZnS nanoparticles for NDV peptide binding. **2021**, 11, 2337-2346

0

87 Pulsed laser deposition of plasmonic structures in air by irradiation through the substrate. **2021**, 734, 138836

86 Recent Advances in Gadolinium Based Contrast Agents for Bioimaging Applications. **2021**, 11,

9

85 Nanoparticles: Properties and its 3D printing applications. **2021**,

84 Polymer nanomaterials in bioimaging. **2021**, 161-189

83 Biomedical applications of graphene. **2021**, 551-571

82 Ethylenediamine series as additives to control the morphology of magnetite nanoparticles. **2021**, 23, 5724-5735

3

81 Nanoparticles and bioorthogonal chemistry joining forces for improved biomedical applications. **2021**, 3, 1261-1292

9

| | | |
|----|--|----|
| 80 | Apo ferritin Amyloid-Fibril Directed the In Situ Assembly and/or Synthesis of Optical and Magnetic Nanoparticles. 2021 , 11, | 5 |
| 79 | Functionalization of Pharmaceutical Nanocarriers for Mitochondria-Targeted Drug and DNA Delivery. 2008 , 363-379 | 2 |
| 78 | Sensing Inside Living Cells and Tissues. 2009 , 455-506 | 1 |
| 77 | Multimodal nanoparticulate bioimaging contrast agents. 2010 , 624, 67-81 | 29 |
| 76 | Organic Nanomaterials with Two-Photon Absorption Properties for Biomedical Applications. 2016 , 25-50 | 3 |
| 75 | Rhodamine Conjugated Gelatin Methacryloyl Nanoparticles for Stable Cell Imaging.. 2020 , 3, 6908-6918 | 5 |
| 74 | Incorporation of magnetite nanoparticle clusters in fluorescent silica nanoparticles for high-performance brain tumor delineation. 2010 , 21, 235104 | 37 |
| 73 | One-pot phytosynthesis of nano-silver from <i>Mentha longifolia</i> L.: their characterization and evaluation of photodynamic potential. 2020 , 7, 055401 | 14 |
| 72 | Dye-Doped Fluorescent Nanoparticles in Molecular Imaging: A Review of Recent Advances and Future Opportunities. 2014 , 11, 102-113 | 8 |
| 71 | Monte Carlo study of secondary electron production from gold nanoparticle in proton beam irradiation. 2014 , 2, 02025 | 14 |
| 70 | New generation of oxide-based nanoparticles for the applications in early cancer detection and diagnostics. 2020 , 9, 274-302 | 8 |
| 69 | Application of a double-colour upconversion nanofluorescent probe for targeted imaging of mantle cell lymphoma. 2018 , 9, 16758-16774 | 2 |
| 68 | Nanomedicine and Early Cancer Diagnosis: Molecular Imaging using Fluorescence Nanoparticles. 2020 , 20, 2737-2761 | 5 |
| 67 | A Review on Nanomedicinal and Nanosensing Potential of Nanoparticles. 2014 , 8, 58-84 | 4 |
| 66 | Biomedical Applications of Gold Nanoparticles. 2018 , 837-858 | 2 |
| 65 | Fabrication of Double-Doped Magnetic Silica Nanospheres and Deposition of Thin Gold Layer. 2009 , 30, 869-872 | 15 |
| 64 | The Emergence of Magnetic and Fluorescent Multimodal Nanoparticles as Contrast Agents in Bioimaging. 2008 , 353-392 | |
| 63 | Nanomedicine. 2012 , 1-41 | |

| | | |
|----|---|----|
| 62 | APPLICATION OF NANOPARTICLES IN BIOMEDICINE. 2013 , 6, 21-32 | |
| 61 | Nanocomposite Membranes in Water Treatment. 2015 , 134-181 | |
| 60 | Nanoparticle–Tissue Interaction. 2016 , 201-218 | |
| 59 | Miniaturized Fluidic Devices and Their Biophotonic Applications. 2016 , 1-47 | 1 |
| 58 | Miniaturized Fluidic Devices and Their Biophotonic Applications. 2017 , 893-939 | |
| 57 | Biomedical Applications of Gold Nanoparticles. 2017 , 74-101 | 0 |
| 56 | Correlation of theory with experimental photon absorption and photon emission of quasitype II CdS/ZnS QDs. 2018 , 12, 1 | 1 |
| 55 | Phytosynthesis of Silver Nanoparticles Using <i>Rhynchosia heynei</i> Wight & Arn Leaf Extract: Characterization and in Vitro Assessment of Antimicrobial, Antioxidant and Anticancer Activities. 2019 , 120-140 | 1 |
| 54 | The Development of Nanoparticles for the Detection and Imaging of Ovarian Cancers. 2021 , 9, | |
| 53 | Functionalized nanomaterials for chemical sensor applications. 2020 , 435-477 | 1 |
| 52 | Accelerated tissue repair through cell proliferative effect by a size controlled aqueous based Fullerene C60 nanoformulation. | 0 |
| 51 | Stem cell tracking with optically active nanoparticles. 2013 , 3, 232-46 | 22 |
| 50 | Tendon Tissue Repair in Prospective of Drug Delivery, Regenerative Medicines, and Innovative Bioscaffolds. 2021 , 2021, 1488829 | 2 |
| 49 | Radiolabeled Silicon-Rhodamines as Bimodal PET/SPECT-NIR Imaging Agents. 2021 , 14, | 2 |
| 48 | Nanotechnology: An Emerging Field in Protein Aggregation and Cancer Therapeutics. 2022 , 177-207 | |
| 47 | Dynamic wetting behavior of nanofluid droplet on a vertically vibrating surface: A molecular dynamics study. 2022 , 347, 118360 | |
| 46 | Sensitivity and Selectivity Analysis of Fluorescent Probes for Hydrogen Sulfide Detection.. 2022 , | 1 |
| 45 | Nuclear Targeted Peptide Combined With Gambogic Acid for Synergistic Treatment of Breast Cancer.. 2021 , 9, 821426 | 0 |

| | | |
|----|---|---|
| 44 | Restriction-In-Motion of Surface Ligands Enhances Photoluminescence of Quantum DotsExperiment and Theory. 2102079 | 2 |
| 43 | Stress effect on bandgap change of a semiconductor nanocrystal in an elastic matrix. 2022 , 428, 127931 | 2 |
| 42 | Mechanochemical Transformations of Biomass into Functional Materials.. 2022 , | 1 |
| 41 | Nano-biomaterials as a Potential Tool for Futuristic Applications. 2021 , 1-33 | |
| 40 | Synthesis of Ce/Gd@HA/PLGA Scaffolds Contributing to Bone Repair and MRI Enhancement.. 2022 , 10, 834226 | 0 |
| 39 | Characterization and Anticancer Activity of a Folic Acid Conjugated and Cationic Peptide L-K6 Encapsulated Cancer-Targeting Liposomal Drug Delivery System. 2022 , 28, 1 | 1 |
| 38 | One-step construction of bifunctional nanoprobes for NIR afterglow and T2-weighted MR imaging. 2022 , | 1 |
| 37 | Cost and Capability Compromises in STEM Instrumentation for Low-Voltage Imaging.. 2022 , 1-7 | 0 |
| 36 | Water-Soluble Luminescent Silicon Nanocrystals by Plasma-Induced Acrylic Acid Grafting and PEGylation.. 2021 , | 1 |
| 35 | 2D and 3D Covalent Organic Frameworks: Cutting-Edge Applications in Biomedical Sciences.. 2021 , | 5 |
| 34 | Biofunctionalized metal-organic frameworks and host-guest interactions for advanced biomedical applications.. 2022 , | 1 |
| 33 | Aggregation Reduces Subcellular Localization and Cytotoxicity of Single-Walled Carbon Nanotubes.. 2022 , | 1 |
| 32 | Recent Advances in Transition-Metal Based Nanomaterials for Noninvasive Oncology Thermal Ablation and Imaging Diagnosis.. 2022 , 10, 899321 | 2 |
| 31 | Recent Advances in Near Infrared Upconverting Nanomaterials for Targeted Photodynamic Therapy of Cancer.. 2022 , | 1 |
| 30 | Sequential, Low-Temperature Aqueous Synthesis of Ag-In-S/Zn Quantum Dots via Staged Cation Exchange under Biomineralization Conditions. | |
| 29 | Deep UV Led Dynamic Optical Imaging and Fluorescence Spectroscopy of the Protein Corona in a Plasmonic Solution and the Effect of Near-Infrared Laser Heating. | |
| 28 | Metal-Enhanced Hg ²⁺ -Responsive Fluorescent Nanoprobes: From Morphological Design to Application to Natural Waters. | |
| 27 | Cerium Oxide Nanoparticles with Entrapped Gadolinium for High T1 Relaxivity and ROS-Scavenging Purposes. 2022 , 7, 21337-21345 | 2 |

- 26 Degradation and drug release profile of degradable core-corona type particles under acidic condition for cancer treatment. **2022**, 177, 105321
- 25 Luminescent nanoparticles for bio-imaging application. **2022**, 107-128
- 24 Recent Advances in Metal Chalcogenide Quantum Dots: From Material Design to Biomedical Applications. 2207662 1
- 23 Aqueous Synthesis of the Tiopronin-Capped Gold Nanoclusters/Nanoparticles with Precise Size Control via Deprotonation of the Ligand. **2022**, 12, 8263
- 22 Multifunctional plasmonic-magnetic nanoparticles for bioimaging and hyperthermia. **2022**, 189, 114484 4
- 21 Self-fluorescence property of octa-arginine functionalized hydroxyapatite nanoparticles aids in studying their intracellular fate in R1 ESCs. **2022**, 627, 21-29
- 20 Synthesis and characterization of a near-infrared persistent luminescent Cr-doped zinc gallate/calcium phosphate composite. **2022**, 24, 21131-21140 0
- 19 Quantum dots: policy and ethics. **2022**, 887-899 1
- 18 Synthesis, structural characterization and effect of surface modification on magnetization of hybrid manganese ferrite nanoparticle. 0
- 17 Highly Bright Silica-Coated InP/ZnS Quantum Dot-Embedded Silica Nanoparticles as Biocompatible Nanoprobes. **2022**, 23, 10977 0
- 16 Nano-biomaterials as a Potential Tool for Futuristic Applications. **2022**, 1243-1275 0
- 15 Predictive Molecular Models for Charged Materials Systems: From Energy Materials to Biomacromolecules. 2204272 0
- 14 Preparation and applications of polymer-modified lanthanide-doped upconversion nanoparticles. **2022**, 12, 100130 0
- 13 Four-Winged Propeller-Shaped Indole-Modified and Indole-Substituted Tetraphenylethylenes: Greenish-Blue Emitters with Aggregation-Induced Emission Features for Conventional Organic Light-Emitting Diodes. 0
- 12 One-Step Colloidal Synthesis of Non-Toxic Electroactive Carbon Dots with a Better Threshold Cytotoxicity and Cytocompatibility. **2023**, 15, 281-291 0
- 11 Fullerene grafted polymers: Covalent means. **2023**, 21-42 0
- 10 Fluorescent inorganic nanoparticles for bioimaging and therapeutic applications. **2023**, 45-71 0
- 9 A review on Quantum Dots (QDs) and their biomedical applications. **2023**, 6, 1 0

- 8 Latest advances on MXenes in biomedical research and healthcare. **2023**, 48, 283-290 o
- 7 Biomedical applications of aptamer-modified chitosan nanomaterials: An updated review. **2023**, 238, 124103 o
- 6 Hybrid Quantum Dot as Promising Tools for Theranostic Application in Cancer. **2023**, 12, 972 o
- 5 Bioimaging Probes Based on Magneto-Fluorescent Nanoparticles. **2023**, 15, 686 1
- 4 A Non-Invasive Method for Monitoring Osteogenesis and Osseointegration Using Near-Infrared Fluorescent Imaging: A Model of Maxilla Implantation in Rats. **2023**, 24, 5032 o
- 3 Inorganic nanosystems for imaging diagnostics. **2023**, 549-588 o
- 2 Core-shell oxide nanoparticles and their biomedical applications. **2023**, 197-232 o
- 1 Nanobioconjugates: Plants and microbes assisted synthesis, mechanistics of surface functionalization and their applications. **2023**, o