

Warren W C Chan

List of Publications by Year in descending order

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Version: 2024-02-01

156
papers

47,630
citations

9264

74
h-index

7518

151
g-index

167
all docs

167
docs citations

167
times ranked

47813
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The Impact of Patient Characteristics on Diagnostic Test Performance. <i>Small Methods</i> , 2022, , 2101233. | 8.6 | 0 |
| 2 | Impact of Tumor Barriers on Nanoparticle Delivery to Macrophages. <i>Molecular Pharmaceutics</i> , 2022, 19, 1917-1925. | 4.6 | 7 |
| 3 | Tanks and Truth. <i>ACS Nano</i> , 2022, 16, 4975-4976. | 14.6 | 0 |
| 4 | Why nanoparticles prefer liver macrophage cell uptake in vivo. <i>Advanced Drug Delivery Reviews</i> , 2022, 185, 114238. | 13.7 | 66 |
| 5 | Gold Nanoparticle Smartphone Platform for Diagnosing Urinary Tract Infections. <i>ACS Nanoscience Au</i> , 2022, 2, 324-332. | 4.8 | 7 |
| 6 | Macrophages Actively Transport Nanoparticles in Tumors After Extravasation. <i>ACS Nano</i> , 2022, 16, 6080-6092. | 14.6 | 34 |
| 7 | Subtherapeutic Photodynamic Treatment Facilitates Tumor Nanomedicine Delivery and Overcomes Desmoplasia. <i>Nano Letters</i> , 2021, 21, 344-352. | 9.1 | 28 |
| 8 | Nanotechnology for modern medicine: next step towards clinical translation. <i>Journal of Internal Medicine</i> , 2021, 290, 486-498. | 6.0 | 88 |
| 9 | Diagnosing Antibiotic Resistance Using Nucleic Acid Enzymes and Gold Nanoparticles. <i>ACS Nano</i> , 2021, 15, 9379-9390. | 14.6 | 44 |
| 10 | A Colorimetric Test to Differentiate Patients Infected with Influenza from COVID-19. <i>Small Structures</i> , 2021, 2, 2100034. | 12.0 | 19 |
| 11 | Surveilling and Tracking COVID-19 Patients Using a Portable Quantum Dot Smartphone Device. <i>Nano Letters</i> , 2021, 21, 5209-5216. | 9.1 | 38 |
| 12 | Specific Endothelial Cells Govern Nanoparticle Entry into Solid Tumors. <i>ACS Nano</i> , 2021, 15, 14080-14094. | 14.6 | 60 |
| 13 | Endothelialized collagen based pseudo-islets enables tuneable subcutaneous diabetes therapy. <i>Biomaterials</i> , 2020, 232, 119710. | 11.4 | 37 |
| 14 | DNA-Controlled Encapsulation of Small Molecules in Protein Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020, 142, 17938-17943. | 13.7 | 11 |
| 15 | The dose threshold for nanoparticle tumour delivery. <i>Nature Materials</i> , 2020, 19, 1362-1371. | 27.5 | 295 |
| 16 | A framework for designing delivery systems. <i>Nature Nanotechnology</i> , 2020, 15, 819-829. | 31.5 | 305 |
| 17 | Flow Rate Affects Nanoparticle Uptake into Endothelial Cells. <i>Advanced Materials</i> , 2020, 32, e1906274. | 21.0 | 69 |
| 18 | Suppressing Subcapsular Sinus Macrophages Enhances Transport of Nanovaccines to Lymph Node Follicles for Robust Humoral Immunity. <i>ACS Nano</i> , 2020, 14, 9478-9490. | 14.6 | 33 |

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|----|--|------|-----------|
| 19 | Diagnosing COVID-19: The Disease and Tools for Detection. ACS Nano, 2020, 14, 3822-3835. | 14.6 | 1,360 |
| 20 | Nano Research for COVID-19. ACS Nano, 2020, 14, 3719-3720. | 14.6 | 97 |
| 21 | Tunable and precise miniature lithium heater for point-of-care applications. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4632-4641. | 7.1 | 5 |
| 22 | Liposome Imaging in Optically Cleared Tissues. Nano Letters, 2020, 20, 1362-1369. | 9.1 | 28 |
| 23 | The entry of nanoparticles into solid tumours. Nature Materials, 2020, 19, 566-575. | 27.5 | 1,036 |
| 24 | Nanoparticle Uptake in a Spontaneous and Immunocompetent Woodchuck Liver Cancer Model. ACS Nano, 2020, 14, 4698-4715. | 14.6 | 20 |
| 25 | Transcribing In Vivo Blood Vessel Networks into In Vitro Perfusable Microfluidic Devices. Advanced Materials Technologies, 2020, 5, 2000103. | 5.8 | 16 |
| 26 | An Analysis of the Binding Function and Structural Organization of the Protein Corona. Journal of the American Chemical Society, 2020, 142, 8827-8836. | 13.7 | 96 |
| 27 | Growing Contributions of Nano in 2020. ACS Nano, 2020, 14, 16163-16164. | 14.6 | 1 |
| 28 | Engineering Steps for Mobile Point-of-Care Diagnostic Devices. Accounts of Chemical Research, 2019, 52, 2406-2414. | 15.6 | 43 |
| 29 | Assessing micrometastases as a target for nanoparticles using 3D microscopy and machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14937-14946. | 7.1 | 55 |
| 30 | Nanoparticle Size Influences Antigen Retention and Presentation in Lymph Node Follicles for Humoral Immunity. Nano Letters, 2019, 19, 7226-7235. | 9.1 | 140 |
| 31 | The Future of Nanotechnology: Cross-disciplined Progress to Improve Health and Medicine. Accounts of Chemical Research, 2019, 52, 2405-2405. | 15.6 | 21 |
| 32 | Supervised Learning and Mass Spectrometry Predicts the <i>in Vivo</i> Fate of Nanomaterials. ACS Nano, 2019, 13, 8023-8034. | 14.6 | 109 |
| 33 | Redefining the Experimental and Methods Sections. ACS Nano, 2019, 13, 4862-4864. | 14.6 | 16 |
| 34 | Elimination Pathways of Nanoparticles. ACS Nano, 2019, 13, 5785-5798. | 14.6 | 343 |
| 35 | Characterizing the protein corona of sub-10 nm nanoparticles. Journal of Controlled Release, 2019, 304, 102-110. | 9.9 | 38 |
| 36 | Synthesis of Patient-Specific Nanomaterials. Nano Letters, 2019, 19, 116-123. | 9.1 | 40 |

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|----|---|------|-----------|
| 37 | Helmuth MÅrhwald (1946â€“2018). ACS Nano, 2018, 12, 3053-3055. | 14.6 | 0 |
| 38 | What Is the Value of Publishing?. ACS Nano, 2018, 12, 6345-6346. | 14.6 | 4 |
| 39 | Quantifying the Ligand-Coated Nanoparticle Delivery to Cancer Cells in Solid Tumors. ACS Nano, 2018, 12, 8423-8435. | 14.6 | 444 |
| 40 | Yeast Populations Evolve to Resist CdSe Quantum Dot Toxicity. Bioconjugate Chemistry, 2017, 28, 1205-1213. | 3.6 | 13 |
| 41 | Nanoscience and Nanotechnology Cross Borders. ACS Nano, 2017, 11, 1123-1126. | 14.6 | 4 |
| 42 | Peptideâ€“MHC-based nanomedicines for autoimmunity function as T-cell receptor microclustering devices. Nature Nanotechnology, 2017, 12, 701-710. | 31.5 | 114 |
| 43 | Accelerating Advances in Science, Engineering, and Medicine through Nanoscience and Nanotechnology. ACS Nano, 2017, 11, 3423-3424. | 14.6 | 11 |
| 44 | Three-Dimensional Imaging of Transparent Tissues via Metal Nanoparticle Labeling. Journal of the American Chemical Society, 2017, 139, 9961-9971. | 13.7 | 60 |
| 45 | Cancer: Nanoscience and Nanotechnology Approaches. ACS Nano, 2017, 11, 4375-4376. | 14.6 | 24 |
| 46 | Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381. | 14.6 | 976 |
| 47 | Nanomedicine 2.0. Accounts of Chemical Research, 2017, 50, 627-632. | 15.6 | 105 |
| 48 | Phenotype Determines Nanoparticle Uptake by Human Macrophages from Liver and Blood. ACS Nano, 2017, 11, 2428-2443. | 14.6 | 180 |
| 49 | State of diagnosing infectious pathogens using colloidal nanomaterials. Biomaterials, 2017, 146, 97-114. | 11.4 | 37 |
| 50 | Our First and Next Decades at ACS Nano. ACS Nano, 2017, 11, 7553-7555. | 14.6 | 0 |
| 51 | Making vessels more permeable. Nature Biomedical Engineering, 2017, 1, 629-631. | 22.5 | 5 |
| 52 | Effect of removing Kupffer cells on nanoparticle tumor delivery. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10871-E10880. | 7.1 | 217 |
| 53 | Simplifying Assays by Tableting Reagents. Journal of the American Chemical Society, 2017, 139, 17341-17349. | 13.7 | 15 |
| 54 | The Role of Nanoparticle Design in Determining Analytical Performance of Lateral Flow Immunoassays. Nano Letters, 2017, 17, 7207-7212. | 9.1 | 149 |

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|----|---|------|-----------|
| 55 | Exploring Passive Clearing for 3D Optical Imaging of Nanoparticles in Intact Tissues. <i>Bioconjugate Chemistry</i> , 2017, 28, 253-259. | 3.6 | 39 |
| 56 | A Big Year Ahead for Nano in 2018. <i>ACS Nano</i> , 2017, 11, 11755-11757. | 14.6 | 1 |
| 57 | Highly efficient adenoviral transduction of pancreatic islets using a microfluidic device. <i>Lab on A Chip</i> , 2016, 16, 2921-2934. | 6.0 | 16 |
| 58 | Clarifying intact 3D tissues on a microfluidic chip for high-throughput structural analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14915-14920. | 7.1 | 62 |
| 59 | Nanoscience and Nanotechnology Impacting Diverse Fields of Science, Engineering, and Medicine. <i>ACS Nano</i> , 2016, 10, 10615-10617. | 14.6 | 22 |
| 60 | Clinical Validation of Quantum Dot Barcode Diagnostic Technology. <i>ACS Nano</i> , 2016, 10, 4742-4753. | 14.6 | 107 |
| 61 | Three-Dimensional Optical Mapping of Nanoparticle Distribution in Intact Tissues. <i>ACS Nano</i> , 2016, 10, 5468-5478. | 14.6 | 73 |
| 62 | A versatile plasmonic thermogel for disinfection of antimicrobial resistant bacteria. <i>Biomaterials</i> , 2016, 97, 154-163. | 11.4 | 29 |
| 63 | Tuning the Drug Loading and Release of DNA-Assembled Gold-Nanorod Superstructures. <i>Advanced Materials</i> , 2016, 28, 8511-8518. | 21.0 | 88 |
| 64 | Patients, Here Comes More Nanotechnology. <i>ACS Nano</i> , 2016, 10, 8139-8142. | 14.6 | 43 |
| 65 | Mechanism of hard-nanomaterial clearance by the liver. <i>Nature Materials</i> , 2016, 15, 1212-1221. | 27.5 | 686 |
| 66 | Analysis of nanoparticle delivery to tumours. <i>Nature Reviews Materials</i> , 2016, 1, . | 48.7 | 3,393 |
| 67 | Controlling DNA-nanoparticle serum interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13600-13605. | 7.1 | 62 |
| 68 | Reply to "Evaluation of nanomedicines: stick to the basics". <i>Nature Reviews Materials</i> , 2016, 1, . | 48.7 | 35 |
| 69 | Thermal Contrast Amplification Reader Yielding 8-Fold Analytical Improvement for Disease Detection with Lateral Flow Assays. <i>Analytical Chemistry</i> , 2016, 88, 11774-11782. | 6.5 | 81 |
| 70 | Quantitative Comparison of Photothermal Heat Generation between Gold Nanospheres and Nanorods. <i>Scientific Reports</i> , 2016, 6, 29836. | 3.3 | 114 |
| 71 | Nanoparticle-liver interactions: Cellular uptake and hepatobiliary elimination. <i>Journal of Controlled Release</i> , 2016, 240, 332-348. | 9.9 | 869 |
| 72 | DNA-controlled dynamic colloidal nanoparticle systems for mediating cellular interaction. <i>Science</i> , 2016, 351, 841-845. | 12.6 | 180 |

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|----|--|------|-----------|
| 73 | Tailoring nanoparticle designs to target cancer based on tumor pathophysiology. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1142-51. | 7.1 | 228 |
| 74 | Engineering the Structure and Properties of DNA-Nanoparticle Superstructures Using Polyvalent Counterions. Journal of the American Chemical Society, 2016, 138, 4565-4572. | 13.7 | 46 |
| 75 | Improving nanoparticle diffusion through tumor collagen matrix by photo-thermal gold nanorods. Nanoscale, 2016, 8, 12524-12530. | 5.6 | 85 |
| 76 | Guiding principles for a successful multidisciplinary research collaboration. Future Science OA, 2015, 1, FSO7. | 1.9 | 6 |
| 77 | How Nanoparticles Interact with Cancer Cells. Cancer Treatment and Research, 2015, 166, 227-244. | 0.5 | 16 |
| 78 | Integrated Quantum Dot Barcode Smartphone Optical Device for Wireless Multiplexed Diagnosis of Infected Patients. ACS Nano, 2015, 9, 3060-3074. | 14.6 | 157 |
| 79 | Prediction of nanoparticles-cell association based on corona proteins and physicochemical properties. Nanoscale, 2015, 7, 9664-9675. | 5.6 | 118 |
| 80 | Nanoparticleâ€“blood interactions: the implications on solid tumour targeting. Chemical Communications, 2015, 51, 2756-2767. | 4.1 | 226 |
| 81 | Protein Corona Fingerprinting Predicts the Cellular Interaction of Gold and Silver Nanoparticles. ACS Nano, 2014, 8, 2439-2455. | 14.6 | 693 |
| 82 | Nanoparticle exposure in animals can be visualized in the skin and analysed via skin biopsy. Nature Communications, 2014, 5, 3796. | 12.8 | 106 |
| 83 | Investigating the Impact of Nanoparticle Size on Active and Passive Tumor Targeting Efficiency. ACS Nano, 2014, 8, 5696-5706. | 14.6 | 528 |
| 84 | Secreted Biomolecules Alter the Biological Identity and Cellular Interactions of Nanoparticles. ACS Nano, 2014, 8, 5515-5526. | 14.6 | 225 |
| 85 | DNA assembly of nanoparticle superstructures for controlled biological delivery and elimination. Nature Nanotechnology, 2014, 9, 148-155. | 31.5 | 385 |
| 86 | Realâ€“time monitoring and control of soluble signaling factors enables enhanced progenitor cell outputs from human cord blood stem cell cultures. Biotechnology and Bioengineering, 2014, 111, 1258-1264. | 3.3 | 13 |
| 87 | Quantum Dots for Traceable Therapeutic Delivery. , 2014, , 393-417. | | 2 |
| 88 | A Call for Clinical Studies. ACS Nano, 2014, 8, 4055-4057. | 14.6 | 5 |
| 89 | Polyethylene Glycol Backfilling Mitigates the Negative Impact of the Protein Corona on Nanoparticle Cell Targeting. Angewandte Chemie - International Edition, 2014, 53, 5093-5096. | 13.8 | 276 |
| 90 | The Role of Ligand Density and Size in Mediating Quantum Dot Nuclear Transport. Small, 2014, 10, 4182-4192. | 10.0 | 35 |

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|-----|---|------|-----------|
| 91 | Illuminating the deep. <i>Nature Materials</i> , 2013, 12, 285-287. | 27.5 | 37 |
| 92 | Automating Quantum Dot Barcode Assays Using Microfluidics and Magnetism for the Development of a Point-of-Care Device. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2853-2860. | 8.0 | 45 |
| 93 | Tumour-on-a-chip provides an optical window into nanoparticle tissue transport. <i>Nature Communications</i> , 2013, 4, 2718. | 12.8 | 264 |
| 94 | Complexities abound. <i>Nature Nanotechnology</i> , 2013, 8, 72-73. | 31.5 | 4 |
| 95 | Are Quantum Dots Toxic? Exploring the Discrepancy Between Cell Culture and Animal Studies. <i>Accounts of Chemical Research</i> , 2013, 46, 662-671. | 15.6 | 378 |
| 96 | A Plasmonic DNAzyme Strategy for Point-of-Care Genetic Detection of Infectious Pathogens. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3168-3171. | 13.8 | 125 |
| 97 | Fabrication of metal nanoshell quantum-dot barcodes for biomolecular detection. <i>Nano Today</i> , 2013, 8, 228-234. | 11.9 | 25 |
| 98 | Simultaneous Quantification of Cells and Nanomaterials by Inductive-Coupled Plasma Techniques. <i>Journal of the Association for Laboratory Automation</i> , 2013, 18, 99-104. | 2.8 | 18 |
| 99 | Nanoparticle Size and Surface Chemistry Determine Serum Protein Adsorption and Macrophage Uptake. <i>Journal of the American Chemical Society</i> , 2012, 134, 2139-2147. | 13.7 | 1,601 |
| 100 | The development of direct multicolour fluorescence cross-correlation spectroscopy: Towards a new tool for tracking complex biomolecular events in real-time. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3290. | 2.8 | 11 |
| 101 | Fluorescence-Tagged Gold Nanoparticles for Rapidly Characterizing the Size-Dependent Biodistribution in Tumor Models. <i>Advanced Healthcare Materials</i> , 2012, 1, 714-721. | 7.6 | 92 |
| 102 | Understanding and controlling the interaction of nanomaterials with proteins in a physiological environment. <i>Chemical Society Reviews</i> , 2012, 41, 2780-2799. | 38.1 | 1,385 |
| 103 | No signs of illness. <i>Nature Nanotechnology</i> , 2012, 7, 416-417. | 31.5 | 36 |
| 104 | The Effect of Nanoparticle Size, Shape, and Surface Chemistry on Biological Systems. <i>Annual Review of Biomedical Engineering</i> , 2012, 14, 1-16. | 12.3 | 3,078 |
| 105 | Significantly Improved Analytical Sensitivity of Lateral Flow Immunoassays by Using Thermal Contrast. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4358-4361. | 13.8 | 155 |
| 106 | Nonblinking Plasmonic Quantum Dot Assemblies for Multiplex Biological Detection. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8773-8777. | 13.8 | 41 |
| 107 | Engineering multifunctional magnetic-quantum dot barcodes by flow focusing. <i>Chemical Communications</i> , 2011, 47, 4195. | 4.1 | 28 |
| 108 | Principles of conjugating quantum dots to proteins via carbodiimide chemistry. <i>Nanotechnology</i> , 2011, 22, 494006. | 2.6 | 44 |

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|-----|---|------|-----------|
| 109 | Strategies for the intracellular delivery of nanoparticles. <i>Chemical Society Reviews</i> , 2011, 40, 233-245. | 38.1 | 684 |
| 110 | Design and potential application of PEGylated gold nanoparticles with size-dependent permeation through brain microvasculature. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 992-1000. | 3.3 | 106 |
| 111 | Rapid Screening of Genetic Biomarkers of Infectious Agents Using Quantum Dot Barcodes. <i>ACS Nano</i> , 2011, 5, 1580-1587. | 14.6 | 107 |
| 112 | Effect of Gold Nanoparticle Aggregation on Cell Uptake and Toxicity. <i>ACS Nano</i> , 2011, 5, 5478-5489. | 14.6 | 716 |
| 113 | Quantum-Dot-Encoded Microbeads for Multiplexed Genetic Detection of Non-Amplified DNA Samples. <i>Small</i> , 2011, 7, 137-146. | 10.0 | 50 |
| 114 | A strategy to assemble nanoparticles with polymers for mitigating cytotoxicity and enabling size tuning. <i>Nanomedicine</i> , 2011, 6, 767-775. | 3.3 | 12 |
| 115 | Nanotechnology diagnostics for infectious diseases prevalent in developing countries. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 438-448. | 13.7 | 147 |
| 116 | Exploring Primary Liver Macrophages for Studying Quantum Dot Interactions with Biological Systems. <i>Advanced Materials</i> , 2010, 22, 2520-2524. | 21.0 | 73 |
| 117 | Quantum dots: Small 1/2010. <i>Small</i> , 2010, 6, NA-NA. | 10.0 | 0 |
| 118 | In vivo Quantum-Dot Toxicity Assessment. <i>Small</i> , 2010, 6, 138-144. | 10.0 | 388 |
| 119 | Nanomedicine. <i>New England Journal of Medicine</i> , 2010, 363, 2434-2443. | 27.0 | 987 |
| 120 | In vivo assembly of nanoparticle components to improve targeted cancer imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11194-11199. | 7.1 | 161 |
| 121 | Rough around the Edges: The Inflammatory Response of Microglial Cells to Spiky Nanoparticles. <i>ACS Nano</i> , 2010, 4, 2490-2493. | 14.6 | 49 |
| 122 | Application of semiconductor and metal nanostructures in biology and medicine. <i>Hematology American Society of Hematology Education Program</i> , 2009, 2009, 701-707. | 2.5 | 30 |
| 123 | A Systematic Nomenclature for Codifying Engineered Nanostructures. <i>Small</i> , 2009, 5, 426-431. | 10.0 | 36 |
| 124 | Quantification of quantum dots using phage display screening and assay. <i>Journal of Materials Chemistry</i> , 2009, 19, 6321. | 6.7 | 4 |
| 125 | Synthesis and Surface Modification of Highly Monodispersed, Spherical Gold Nanoparticles of 50~200 nm. <i>Journal of the American Chemical Society</i> , 2009, 131, 17042-17043. | 13.7 | 589 |
| 126 | Visualizing Quantum Dots in Biological Samples Using Silver Staining. <i>Analytical Chemistry</i> , 2009, 81, 4560-4565. | 6.5 | 29 |

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| 127 | Mediating Tumor Targeting Efficiency of Nanoparticles Through Design. Nano Letters, 2009, 9, 1909-1915. | 9.1 | 1,344 |
| 128 | Probing the Interactions of Nanoparticles with Biological Systems. FASEB Journal, 2009, 23, 69.1. | 0.5 | 0 |
| 129 | Assessing the Effect of Surface Chemistry on Gold Nanorod Uptake, Toxicity, and Gene Expression in Mammalian Cells. Small, 2008, 4, 153-159. | 10.0 | 634 |
| 130 | Facile and Rapid One-Step Mass Preparation of Quantum Dot Barcodes. Angewandte Chemie - International Edition, 2008, 47, 5577-5581. | 13.8 | 129 |
| 131 | Enhancing the Toxicity of Cancer Chemotherapeutics with Gold Nanorod Hyperthermia. Advanced Materials, 2008, 20, 3832-3838. | 21.0 | 371 |
| 132 | Nanoparticle-mediated cellular response is size-dependent. Nature Nanotechnology, 2008, 3, 145-150. | 31.5 | 2,452 |
| 133 | Biodegradable Quantum Dot Nanocomposites Enable Live Cell Labeling and Imaging of Cytoplasmic Targets. Nano Letters, 2008, 8, 3887-3892. | 9.1 | 116 |
| 134 | Systematic Investigation of Preparing Biocompatible, Single, and Small ZnS-Capped CdSe Quantum Dots with Amphiphilic Polymers. ACS Nano, 2008, 2, 1341-1352. | 14.6 | 127 |
| 135 | Gold nanoshells in cancer imaging and therapy: towards clinical application. Nanomedicine, 2007, 2, 735-738. | 3.3 | 52 |
| 136 | Advances and challenges of nanotechnology-based drug delivery systems. Expert Opinion on Drug Delivery, 2007, 4, 621-633. | 5.0 | 108 |
| 137 | Elucidating the Mechanism of Cellular Uptake and Removal of Protein-Coated Gold Nanoparticles of Different Sizes and Shapes. Nano Letters, 2007, 7, 1542-1550. | 9.1 | 2,001 |
| 138 | Convergence of Quantum Dot Barcodes with Microfluidics and Signal Processing for Multiplexed High-Throughput Infectious Disease Diagnostics. Nano Letters, 2007, 7, 2812-2818. | 9.1 | 198 |
| 139 | Nanotoxicity: the growing need for in vivo study. Current Opinion in Biotechnology, 2007, 18, 565-571. | 6.6 | 625 |
| 140 | Design and Characterization of Lysine Cross-Linked Mercapto-Acid Biocompatible Quantum Dots. Chemistry of Materials, 2006, 18, 872-878. | 6.7 | 144 |
| 141 | Optimizing the Synthesis of Red- to Near-IR-Emitting CdS-Capped CdTeSe _{1-x} Alloyed Quantum Dots for Biomedical Imaging. Chemistry of Materials, 2006, 18, 4845-4854. | 6.7 | 143 |
| 142 | Bionanotechnology Progress and Advances. Biology of Blood and Marrow Transplantation, 2006, 12, 87-91. | 2.0 | 73 |
| 143 | Determining the Size and Shape Dependence of Gold Nanoparticle Uptake into Mammalian Cells. Nano Letters, 2006, 6, 662-668. | 9.1 | 4,242 |
| 144 | Engineering Biocompatible Quantum Dots for Ultrasensitive, Real-Time Biological Imaging and Detection. , 2006, , 137-156. | | 4 |

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| 145 | Interfacing peptides identified using phage-display screening with quantum dots for the design of nanoprob. , 2005, , . | | 0 |
| 146 | Preliminary results: exploring the interactions of quantum dots with whole blood components. , 2005, 5969, 54. | | 0 |
| 147 | Surface-Plasmon-Coupled Emission of Quantum Dots. Journal of Physical Chemistry B, 2005, 109, 1088-1093. | 2.6 | 98 |
| 148 | Biomedical Applications of Semiconductor Quantum Dots. , 2004, , 37-50. | | 1 |
| 149 | Bioinspired Approaches to Building Nanoscale Devices. , 2004, , 149-160. | | 1 |
| 150 | Semiconductor quantum dots as contrast agents for whole animal imaging. Trends in Biotechnology, 2004, 22, 607-609. | 9.3 | 97 |
| 151 | Probing the Cytotoxicity of Semiconductor Quantum Dots. Nano Letters, 2004, 4, 11-18. | 9.1 | 3,159 |
| 152 | Trilayer hybrid polymer-quantum dot light-emitting diodes. Applied Physics Letters, 2004, 84, 2925-2927. | 3.3 | 113 |
| 153 | Quantum-dot nanocrystals for ultrasensitive biological labeling and multicolor optical encoding. Journal of Biomedical Optics, 2002, 7, 532. | 2.6 | 412 |
| 154 | Luminescent quantum dots for multiplexed biological detection and imaging. Current Opinion in Biotechnology, 2002, 13, 40-46. | 6.6 | 1,975 |
| 155 | Nanocrystal targeting in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12617-12621. | 7.1 | 1,398 |
| 156 | Semiconductor Quantum Dots as Multicolor and Ultrasensitive Biological Labels. , 0, , 494-506. | | 0 |