

Zhisong Lu

List of Publications by Year in descending order

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Version: 2024-02-01

153
papers

7,249
citations

66234

42
h-index

66788

78
g-index

154
all docs

154
docs citations

154
times ranked

11229
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Involvement of O ₂ • ⁻ release in zearalenone-induced hormesis of intestinal porcine enterocytes: An electrochemical sensor-based analysis. <i>Bioelectrochemistry</i> , 2022, 144, 108049. | 2.4 | 2 |
| 2 | A Weavable and Scalable Cotton Yarn-Based Battery Activated by Human Sweat for Textile Electronics. <i>Advanced Science</i> , 2022, 9, e2103822. | 5.6 | 20 |
| 3 | Synthesis of merit-combined antimony tetroxide nanoflowers/reduced graphene oxide to synergistically boost real-time detection of nitric oxide released from living cells for high sensitivity. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 465-474. | 5.0 | 18 |
| 4 | Adhesive tape-assisted etching of silk fibroin film with LiBr aqueous solution for microfluidic devices. <i>Materials Science and Engineering C</i> , 2021, 118, 111543. | 3.8 | 12 |
| 5 | Electrochemical analysis of specific catalase activity during development of <i>Aspergillus flavus</i> and its correlation with aflatoxin B1 production. <i>Food Chemistry</i> , 2021, 337, 127978. | 4.2 | 10 |
| 6 | UV-Assisted Deposition of Antibacterial Ag-Tannic Acid Nanocomposite Coating. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20708-20717. | 4.0 | 45 |
| 7 | Simultaneous deposition of tannic acid and poly(ethylene glycol) to construct the antifouling polymeric coating on Titanium surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111592. | 2.5 | 29 |
| 8 | Mussel Adhesive Mimetic Silk Sericin Prepared by Enzymatic Oxidation for the Construction of Antibacterial Coatings. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3379-3388. | 2.6 | 11 |
| 9 | One-step self-assembly of biogenic Au NPs/PEG-based universal coatings for antifouling and photothermal killing of bacterial pathogens. <i>Chemical Engineering Journal</i> , 2021, 421, 130005. | 6.6 | 41 |
| 10 | Constructing Silk Fibroin-Based Three-Dimensional Microfluidic Devices via a Tape Mask-Assisted Multiple-Step Etching Technique. <i>ACS Applied Bio Materials</i> , 2021, 4, 8039-8048. | 2.3 | 8 |
| 11 | Transgenic PDGF-BB/sericin hydrogel supports for cell proliferation and osteogenic differentiation. <i>Biomaterials Science</i> , 2020, 8, 657-672. | 2.6 | 23 |
| 12 | Bionic Silk Fibroin Film Promotes Tendonogenic Differentiation of Tendon Stem/Progenitor Cells by Activating Focal Adhesion Kinase. <i>Stem Cells International</i> , 2020, 2020, 1-10. | 1.2 | 6 |
| 13 | BC@DNA-Mn ₃ (PO ₄) ₂ Nanozyme for Real-Time Detection of Superoxide from Living Cells. <i>Analytical Chemistry</i> , 2020, 92, 15927-15935. | 3.2 | 18 |
| 14 | One-Step Dip-Coating-Fabricated Core-Shell Silk Fibroin Rice Paper Fibrous Scaffolds for 3D Tumor Spheroid Formation. <i>ACS Applied Bio Materials</i> , 2020, 3, 7462-7471. | 2.3 | 10 |
| 15 | Re-stickable All-Solid-State Supercapacitor Supported by Cohesive Thermoplastic for Textile Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45322-45331. | 4.0 | 11 |
| 16 | Amino-containing tannic acid derivative-mediated universal coatings for multifunctional surface modification. <i>Biomaterials Science</i> , 2020, 8, 2120-2128. | 2.6 | 19 |
| 17 | Cellulose Aerogel Derived Hierarchical Porous Carbon for Enhancing Flavin-Based Interfacial Electron Transfer in Microbial Fuel Cells. <i>Polymers</i> , 2020, 12, 664. | 2.0 | 7 |
| 18 | Facile and Low-Cost Fabrication of a Thread/Paper-Based Wearable System for Simultaneous Detection of Lactate and pH in Human Sweat. <i>Advanced Fiber Materials</i> , 2020, 2, 265-278. | 7.9 | 60 |

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|----|--|-----|-----------|
| 19 | Tannic acid-assisted deposition of silk sericin on the titanium surfaces for antifouling application. <i>Colloids and Interface Science Communications</i> , 2020, 35, 100241. | 2.0 | 19 |
| 20 | Green synthesis of perylene diimide-based nanodots for carbon dioxide sensing, antibacterial activity prediction and bacterial discrimination. <i>Dyes and Pigments</i> , 2020, 176, 108245. | 2.0 | 2 |
| 21 | A sensitive lateral flow immunochromatographic strip with prussian blue nanoparticles mediated signal generation and cascade amplification. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127728. | 4.0 | 42 |
| 22 | Comparative Study of Time-Resolved Fluorescent Nanobeads, Quantum Dot Nanobeads and Quantum Dots as Labels in Fluorescence Immunochromatography for Detection of Aflatoxin B1 in Grains. <i>Biomolecules</i> , 2020, 10, 575. | 1.8 | 28 |
| 23 | Bionic Silk Fibroin Film Induces Morphological Changes and Differentiation of Tendon Stem/Progenitor Cells. <i>Applied Bionics and Biomechanics</i> , 2020, 2020, 1-10. | 0.5 | 10 |
| 24 | A maltoheptaose-decorated BODIPY photosensitizer for photodynamic inactivation of Gram-positive bacteria. <i>New Journal of Chemistry</i> , 2019, 43, 15057-15065. | 1.4 | 8 |
| 25 | A thermoresponsive microfluidic system integrating a shape memory polymer-modified textile and a paper-based colorimetric sensor for the detection of glucose in human sweat. <i>RSC Advances</i> , 2019, 9, 23957-23963. | 1.7 | 52 |
| 26 | Effect of Fiber Surface Modification on the Interfacial Adhesion and Thermo-Mechanical Performance of Unidirectional Epoxy-Based Composites Reinforced with Bamboo Fibers. <i>Molecules</i> , 2019, 24, 2682. | 1.7 | 28 |
| 27 | Genetic fabrication of functional silk mats with improved cell proliferation activity for medical applications. <i>Biomaterials Science</i> , 2019, 7, 4536-4546. | 2.6 | 12 |
| 28 | Multi-chamber petaloid root-growth chip for the non-destructive study of the development and physiology of the fibrous root system of <i>Oryza sativa</i> . <i>Lab on A Chip</i> , 2019, 19, 2383-2393. | 3.1 | 13 |
| 29 | Chip architecture-enabled sensitivity enhancement of oblique-incidence reflectivity difference for label-free protein microarray detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 216-223. | 4.0 | 16 |
| 30 | Hydrothermal derived protoporphyrin IX nanoparticles for inactivation and imaging of bacteria strains. <i>Journal of Colloid and Interface Science</i> , 2019, 549, 72-79. | 5.0 | 23 |
| 31 | Constructing high effective nano-Mn ₃ (PO ₄) ₂ -chitosan in situ electrochemical detection interface for superoxide anions released from living cell. <i>Biosensors and Bioelectronics</i> , 2019, 133, 133-140. | 5.3 | 29 |
| 32 | Thermal and mechanical performance of unidirectional composites from bamboo fibers with varying volume fractions. <i>Polymer Composites</i> , 2019, 40, 3929-3937. | 2.3 | 32 |
| 33 | A wearable, cotton thread/paper-based microfluidic device coupled with smartphone for sweat glucose sensing. <i>Cellulose</i> , 2019, 26, 4553-4562. | 2.4 | 106 |
| 34 | Preparing Polypyrrole-Coated Stretchable Textile via Low-Temperature Interfacial Polymerization for Highly Sensitive Strain Sensor. <i>Micromachines</i> , 2019, 10, 788. | 1.4 | 29 |
| 35 | A coaxial nanocable textured by a cerium oxide shell and carbon core for sensing nitric oxide. <i>Mikrochimica Acta</i> , 2019, 186, 789. | 2.5 | 1 |
| 36 | Sensitive colorimetric detection of ochratoxin A by a dual-functional Au/Fe ₃ O ₄ nanohybrid-based aptasensor. <i>RSC Advances</i> , 2019, 9, 38590-38596. | 1.7 | 12 |

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|----|--|-----|-----------|
| 37 | Genetically engineered bi-functional silk material with improved cell proliferation and anti-inflammatory activity for medical application. <i>Acta Biomaterialia</i> , 2019, 86, 148-157. | 4.1 | 28 |
| 38 | Spontaneous formation of tumor spheroid on a hydrophilic filter paper for cancer stem cell enrichment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 426-434. | 2.5 | 16 |
| 39 | Deposition of catechol-functionalized chitosan and silver nanoparticles on biomedical titanium surfaces for antibacterial application. <i>Materials Science and Engineering C</i> , 2019, 98, 649-656. | 3.8 | 49 |
| 40 | Flexible electronic skin with nanostructured interfaces via flipping over electroless deposited metal electrodes. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 618-624. | 5.0 | 14 |
| 41 | A flexible sandwich-structured supercapacitor with poly(vinyl alcohol)/H ₃ PO ₄ -soaked cotton fabric as solid electrolyte, separator and supporting layer. <i>Cellulose</i> , 2018, 25, 3459-3469. | 2.4 | 19 |
| 42 | Flexible Supercapacitor Based on Inkjet-Printed Graphene@Polyaniline Nanocomposites with Ultrahigh Capacitance. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800092. | 1.7 | 28 |
| 43 | A flexible humidity sensor based on silk fabrics for human respiration monitoring. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4549-4554. | 2.7 | 133 |
| 44 | Separation and Characterization of Prostate Cancer Cell Subtype according to Their Motility Using a Multi-Layer CiGiP Culture. <i>Micromachines</i> , 2018, 9, 660. | 1.4 | 9 |
| 45 | Transgenic Silkworm-Based Silk Gland Bioreactor for Large Scale Production of Bioactive Human Platelet-Derived Growth Factor (PDGF-BB) in Silk Cocoons. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2533. | 1.8 | 25 |
| 46 | A Sandwich-Structured Piezoresistive Sensor with Electrospun Nanofiber Mats as Supporting, Sensing, and Packaging Layers. <i>Polymers</i> , 2018, 10, 575. | 2.0 | 28 |
| 47 | A tetraphenylethene and maltoheptaose conjugate with aggregation-induced emission (AIE) characteristic for temperature sensors. <i>New Journal of Chemistry</i> , 2018, 42, 14709-14712. | 1.4 | 14 |
| 48 | Cohesive thermoplastic-assisted patterning and assembly of a textile-supported piezoresistive sensor for monitoring human vital signs. <i>Smart Materials and Structures</i> , 2018, 27, 105027. | 1.8 | 17 |
| 49 | Fabrication of the FGF1-functionalized sericin hydrogels with cell proliferation activity for biomedical application using genetically engineered <i>Bombyx mori</i> (<i>B. mori</i>) silk. <i>Acta Biomaterialia</i> , 2018, 79, 239-252. | 4.1 | 46 |
| 50 | Fast and low-cost patterning of electrodes on versatile 2D and 3D substrates by cutting and origami cohesive thermoplastic for biosensing applications. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2431-2436. | 4.0 | 7 |
| 51 | A novel colorimetric immunoassay strategy using iron(III) oxide magnetic nanoparticles as a label for signal generation and amplification. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1454-1460. | 2.9 | 16 |
| 52 | Screen-printing Bi ₂ S ₃ nanowires on silk fabrics for a flexible optical switch. <i>Flexible and Printed Electronics</i> , 2017, 2, 025001. | 1.5 | 0 |
| 53 | Involvement of ROS in nanosilver-caused suppression of aflatoxin production from <i>Aspergillus flavus</i> . <i>RSC Advances</i> , 2017, 7, 23021-23026. | 1.7 | 18 |
| 54 | Aptamer-tagged DNA origami for spatially addressable detection of aflatoxin B1. <i>Chemical Communications</i> , 2017, 53, 941-944. | 2.2 | 29 |

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|----|---|-----|-----------|
| 55 | Functional single-walled carbon nanotubes $\text{â}^{\text{c}}\text{CAR}^{\text{a}}\text{â}^{\text{m}}$ for targeting dopamine delivery into the brain of parkinsonian mice. <i>Nanoscale</i> , 2017, 9, 10832-10845. | 2.8 | 52 |
| 56 | Inkjet-Printed Planar Biochips for Interfacial Detection of Biomolecules. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700588. | 1.9 | 3 |
| 57 | Hydrogen-peroxide-modified egg albumen for transparent and flexible resistive switching memory. <i>Nanotechnology</i> , 2017, 28, 425202. | 1.3 | 48 |
| 58 | Flexible and wearable electronic silk fabrics for human physiological monitoring. <i>Smart Materials and Structures</i> , 2017, 26, 095033. | 1.8 | 25 |
| 59 | Voltammetric determination of 4-chlorophenol using multiwall carbon nanotube/gold nanoparticle nanocomposite modified glassy carbon electrodes. <i>RSC Advances</i> , 2016, 6, 34692-34698. | 1.7 | 18 |
| 60 | Oligonucleotide length- and probe number-dependent assembly of gold nanoparticle on triangular DNA origami. <i>RSC Advances</i> , 2016, 6, 36823-36826. | 1.7 | 3 |
| 61 | An ultrasensitive colorimetric strategy for protein O-GlcNAcylation detection via copper deposition-enabled nonenzymatic signal amplification. <i>RSC Advances</i> , 2016, 6, 89484-89491. | 1.7 | 11 |
| 62 | Controllable stationary photocurrents generated from a bacteriorhodopsin/upconversion nanoparticle-based bionanosystem under NIR illumination. <i>Nanoscale</i> , 2016, 8, 18524-18530. | 2.8 | 8 |
| 63 | Ferric ion-assisted in situ synthesis of silver nanoplates on polydopamine-coated silk. <i>Journal of Colloid and Interface Science</i> , 2016, 479, 244-250. | 5.0 | 11 |
| 64 | Fully Printed Ultraflexible Supercapacitor Supported by a Single-Textile Substrate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32317-32323. | 4.0 | 92 |
| 65 | <i>Aspergillus flavus</i> Conidia-derived Carbon/Sulfur Composite as a Cathode Material for High Performance Lithium-Sulfur Battery. <i>Scientific Reports</i> , 2016, 6, 18739. | 1.6 | 22 |
| 66 | Ultrathin MnO_2 nanosheets grown on fungal conidium-derived hollow carbon spheres as supercapacitor electrodes. <i>RSC Advances</i> , 2016, 6, 5184-5191. | 1.7 | 21 |
| 67 | Aptamer induced assembly of fluorescent nitrogen-doped carbon dots on gold nanoparticles for sensitive detection of AFB1. <i>Biosensors and Bioelectronics</i> , 2016, 78, 23-30. | 5.3 | 205 |
| 68 | Cinnamaldehyde inhibits fungal growth and aflatoxin B1 biosynthesis by modulating the oxidative stress response of <i>Aspergillus flavus</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1355-1364. | 1.7 | 116 |
| 69 | Silk fabric-based wearable thermoelectric generator for energy harvesting from the human body. <i>Applied Energy</i> , 2016, 164, 57-63. | 5.1 | 272 |
| 70 | An ultrasensitive aptasensor for detection of Ochratoxin A based on shielding effect-induced inhibition of fluorescence resonance energy transfer. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 797-803. | 4.0 | 35 |
| 71 | Controllable in situ synthesis of silver nanoparticles on multilayered film-coated silk fibers for antibacterial application. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 369-375. | 5.0 | 61 |
| 72 | Integration of bacteriorhodopsin with upconversion nanoparticles for NIR-triggered photoelectrical response. <i>Chemical Communications</i> , 2015, 51, 6373-6376. | 2.2 | 13 |

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|----|--|-----|-----------|
| 73 | Transient transmembrane secretion of H ₂ O ₂ : a mechanism for the citral-caused inhibition of aflatoxin production from <i>Aspergillus flavus</i> . <i>Chemical Communications</i> , 2015, 51, 17424-17427. | 2.2 | 8 |
| 74 | Bio-inspired synthesis of carbon hollow microspheres from <i>Aspergillus flavus</i> conidia for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 59655-59658. | 1.7 | 9 |
| 75 | In situ synthesis of silver nanoparticles uniformly distributed on polydopamine-coated silk fibers for antibacterial application. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 8-14. | 5.0 | 163 |
| 76 | Fluffy-ball-shaped carbon nanotube@TiO ₂ nanorod nanocomposites for photocatalytic degradation of methylene blue. <i>RSC Advances</i> , 2015, 5, 42580-42586. | 1.7 | 16 |
| 77 | In vitro anti-aflatoxigenic effect and mode of action of cinnamaldehyde against aflatoxin B1. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 419-425. | 1.9 | 30 |
| 78 | Highly conductive graphene-coated silk fabricated via a repeated coating-reduction approach. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4265-4268. | 2.7 | 69 |
| 79 | 3-D microarray and its microfabrication-free fluidic immunoassay device. <i>Analytica Chimica Acta</i> , 2015, 889, 187-193. | 2.6 | 5 |
| 80 | A selenium-confined porous carbon cathode from silk cocoons for Li-Se battery applications. <i>RSC Advances</i> , 2015, 5, 96146-96150. | 1.7 | 24 |
| 81 | Aptamer based fluorescence recovery assay for aflatoxin B1 using a quencher system composed of quantum dots and graphene oxide. <i>Mikrochimica Acta</i> , 2015, 182, 571-578. | 2.5 | 137 |
| 82 | Cognitive deficits and decreased locomotor activity induced by single-walled carbon nanotubes and neuroprotective effects of ascorbic acid. <i>International Journal of Nanomedicine</i> , 2014, 9, 823. | 3.3 | 38 |
| 83 | One-pot synthesis of one-dimensional CdTe-cystine nanocomposite for humidity sensing. <i>Nanotechnology</i> , 2014, 25, 115703. | 1.3 | 1 |
| 84 | ZnO nanorod-templated well-aligned ZrO ₂ nanotube arrays for fibroblast adhesion and proliferation. <i>Nanotechnology</i> , 2014, 25, 215102. | 1.3 | 12 |
| 85 | Involvement of superoxide and nitric oxide in BRAF ^{V600E} inhibitor PLX4032-induced growth inhibition of melanoma cells. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 1211-1217. | 0.6 | 21 |
| 86 | Graphene oxide-enabled tandem signal amplification for sensitive SPRi immunoassay in serum. <i>Chemical Communications</i> , 2014, 50, 2133. | 2.2 | 45 |
| 87 | Polydopamine-Functionalization of Graphene Oxide to Enable Dual Signal Amplification for Sensitive Surface Plasmon Resonance Imaging Detection of Biomarker. <i>Analytical Chemistry</i> , 2014, 86, 4488-4493. | 3.2 | 127 |
| 88 | Fabrication of CeO ₂ nanoparticle-modified silk for UV protection and antibacterial applications. <i>Journal of Colloid and Interface Science</i> , 2014, 435, 8-14. | 5.0 | 98 |
| 89 | ZnO Nanomulberry and Its Significant Nonenzymatic Signal Enhancement for Protein Microarray. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7728-7734. | 4.0 | 20 |
| 90 | UV-assisted in situ synthesis of silver nanoparticles on silk fibers for antibacterial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 447, 1-7. | 2.3 | 68 |

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|-----|---|-----|-----------|
| 91 | Directly Grown $K_{0.33}WO_3$ Nanosheet Film Electrode for Fast Direct Electron Transfer of Protein. <i>ChemElectroChem</i> , 2014, 1, 463-470. | 1.7 | 3 |
| 92 | Application of vitamin E to antagonize SWCNTs-induced exacerbation of allergic asthma. <i>Scientific Reports</i> , 2014, 4, 4275. | 1.6 | 35 |
| 93 | Sacrificial polymer thin-film template with tunability to construct high-density Au nanoparticle arrays and their refractive index sensing. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15499. | 1.3 | 12 |
| 94 | Multilayered films incorporating CdTe quantum dots with tunable optical properties for antibacterial application. <i>Thin Solid Films</i> , 2013, 548, 336-342. | 0.8 | 14 |
| 95 | Tailor and functionalize TiO ₂ compact layer by acid treatment for high performance dye-sensitized solar cell and its enhancement mechanism. <i>Renewable Energy</i> , 2013, 51, 29-35. | 4.3 | 32 |
| 96 | Simultaneous detection of lactate and glucose by integrated printed circuit board based array sensing chip. <i>Analytica Chimica Acta</i> , 2013, 771, 102-107. | 2.6 | 24 |
| 97 | ZnO nanowire array-templated LbL self-assembled polyelectrolyte nanotube arrays and application for charged drug delivery. <i>Nanotechnology</i> , 2013, 24, 045605. | 1.3 | 10 |
| 98 | Polymer/nanosilver composite coatings for antibacterial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 439, 69-83. | 2.3 | 215 |
| 99 | A portable flow-through fluorescent immunoassay lab-on-a-chip device using ZnO nanorod-decorated glass capillaries. <i>Lab on A Chip</i> , 2013, 13, 1797. | 3.1 | 47 |
| 100 | Self-assembling micro-sized materials to fabricate multifunctional hierarchical nanostructures on macroscale substrates. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6416. | 5.2 | 28 |
| 101 | Plastic protein microarray to investigate the molecular pathways of magnetic nanoparticle-induced nanotoxicity. <i>Nanotechnology</i> , 2013, 24, 175501. | 1.3 | 28 |
| 102 | Charged drug delivery by ultrafast exponentially grown weak polyelectrolyte multilayers: amphoteric properties, ultrahigh loading capacity and pH-responsiveness. <i>Journal of Materials Chemistry</i> , 2012, 22, 9351. | 6.7 | 34 |
| 103 | Stimuli-Free Reversible and Controllable Loading and Release of Proteins under Physiological Conditions by Exponentially Growing Nanoporous Multilayered Structure. <i>Advanced Functional Materials</i> , 2012, 22, 1932-1939. | 7.8 | 32 |
| 104 | Enhance electron transfer and performance of microbial fuel cells by perforating the cell membrane. <i>Electrochemistry Communications</i> , 2012, 15, 50-53. | 2.3 | 68 |
| 105 | Graphene- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Pt} \langle \text{mml:mtext} \rangle \langle \text{mml:mo} \rangle \hat{\text{S}}^1 \langle \text{mml:mo} \rangle \langle \text{mml:mtext} \rangle \text{ITO} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle$ counter electrode to significantly reduce Pt loading and enhance charge transfer for high performance dye-sensitized solar cell. <i>Solar Energy</i> , 2012, 86, 2041-2048. | 2.9 | 58 |
| 106 | Mechanism for dimethylformamide-treatment of poly(3,4-ethylenedioxythiophene): poly(styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50. <i>Solar Cells</i> , 2012, 100, 115-119. | 3.0 | 26 |
| 107 | Controllably layer-by-layer self-assembled polyelectrolytes/nanoparticle blend hollow capsules and their unique properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 5148. | 6.7 | 48 |
| 108 | Rewritable multicolor fluorescent patterns for multistate memory devices with high data storage capacity. <i>Chemical Communications</i> , 2011, 47, 9609. | 2.2 | 55 |

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|-----|---|------|-----------|
| 109 | Biocompatible fluorescence-enhanced ZrO ₂ –CdTe quantum dot nanocomposite for <i>in vitro</i> cell imaging. <i>Nanotechnology</i> , 2011, 22, 155604. | 1.3 | 22 |
| 110 | Interaction mechanisms of CdTe quantum dots with proteins possessing different isoelectric points. <i>MedChemComm</i> , 2011, 2, 283. | 3.5 | 29 |
| 111 | Surface functionalization-enhanced spillover effect on hydrogen storage of Ni–B nanoalloy-doped activated carbon. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13663-13668. | 3.8 | 42 |
| 112 | Highly sensitive poly[glycidyl methacrylate-co-poly(ethylene glycol) methacrylate] brush-based flow-through microarray immunoassay device. <i>Biomedical Microdevices</i> , 2011, 13, 769-777. | 1.4 | 38 |
| 113 | One-step aqueous synthesis of graphene–CdTe quantum dot-composed nanosheet and its enhanced photoresponses. <i>Journal of Colloid and Interface Science</i> , 2011, 353, 588-592. | 5.0 | 71 |
| 114 | Sensitive protein microarray synergistically amplified by polymer brush-enhanced immobilizations of both probe and reporter. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 593-599. | 5.0 | 24 |
| 115 | Solar cells made from polymers containing Dithieno[3,2-b:2',3'-d]pyrrole with different side chain lengths. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 969-973. | 3.0 | 13 |
| 116 | Mechanism for MnO_2 Nanowire-Induced Cytotoxicity in Hela Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 397-404. | 0.9 | 28 |
| 117 | Extracellular microbial synthesis of biocompatible CdTe quantum dots. <i>Acta Biomaterialia</i> , 2010, 6, 3534-3541. | 4.1 | 173 |
| 118 | Poly[oligo(ethylene glycol) methacrylate-co-glycidyl methacrylate] Brush Substrate for Sensitive Surface Plasmon Resonance Imaging Protein Arrays. <i>Advanced Functional Materials</i> , 2010, 20, 3497-3503. | 7.8 | 90 |
| 119 | Biointerface by Cell Growth on Layered Graphene–Artificial Peroxidase–Protein Nanostructure for In Situ Quantitative Molecular Detection. <i>Advanced Materials</i> , 2010, 22, 5164-5167. | 11.1 | 184 |
| 120 | Layered Graphene/Quantum Dots for Photovoltaic Devices. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3014-3017. | 7.2 | 626 |
| 121 | Fabrication of oriented poly-L-lysine/bacteriorhodopsin-embedded purple membrane multilayer structure for enhanced photoelectric response. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 150-157. | 5.0 | 19 |
| 122 | Ionic liquid–graphene composite for ultratrace explosive trinitrotoluene detection. <i>Electrochemistry Communications</i> , 2010, 12, 1237-1240. | 2.3 | 132 |
| 123 | In Situ Surface Plasmon Resonance Investigation of the Assembly Process of Multiwalled Carbon Nanotubes on an Alkanethiol Self-Assembled Monolayer for Efficient Protein Immobilization and Detection. <i>Langmuir</i> , 2010, 26, 8386-8391. | 1.6 | 51 |
| 124 | Photografted poly(methyl methacrylate)-based high performance protein microarray for hepatitis B virus biomarker detection in human serum. <i>MedChemComm</i> , 2010, 1, 132. | 3.5 | 37 |
| 125 | Effect of particle shape on phagocytosis of CdTe quantum dot–cystine composites. <i>MedChemComm</i> , 2010, 1, 84. | 3.5 | 44 |
| 126 | Electrochemically polymerized nanostructured poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) buffer layer for a high performance polymer solar cell. <i>Energy and Environmental Science</i> , 2010, 3, 1580. | 15.6 | 34 |

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|-----|---|------|-----------|
| 127 | High performance organic thin film transistor with phenyltrimethoxysilane-modified dielectrics. <i>Applied Physics Letters</i> , 2009, 94, 153308. | 1.5 | 13 |
| 128 | Microstructure transformations induced by modified-layers on pentacene polymorphic films and their effect on performance of organic thin-film transistor. <i>Organic Electronics</i> , 2009, 10, 1388-1395. | 1.4 | 13 |
| 129 | Solution-Prepared Hybrid-Nanoparticle Dielectrics for High-Performance Low-Voltage Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2230-2236. | 4.0 | 25 |
| 130 | Theoretical and Experimental Studies of Electronic Transport of Dithienothiophene. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12530-12537. | 1.5 | 28 |
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