

Zhisong Lu

List of Publications by Year in descending order

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153
papers

7,249
citations

66343

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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.	4.6	2
2	A Weavable and Scalable Cotton/Yarn-Based Battery Activated by Human Sweat for Textile Electronics. <i>Advanced Science</i> , 2022, 9, e2103822.	11.2	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.	9.4	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.	7.3	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.	8.2	10
6	UV-Assisted Deposition of Antibacterial Ag/Tannic Acid Nanocomposite Coating. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20708-20717.	8.0	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.	5.0	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.	5.2	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.	12.7	41
10	Constructing Silk Fibroin-Based Three-Dimensional Microfluidic Devices <i>via</i> a Tape Mask-Assisted Multiple-Step Etching Technique. <i>ACS Applied Bio Materials</i> , 2021, 4, 8039-8048.	4.6	8
11	Transgenic PDGF-BB/sericin hydrogel supports for cell proliferation and osteogenic differentiation. <i>Biomaterials Science</i> , 2020, 8, 657-672.	5.4	23
12	Bionic Silk Fibroin Film Promotes Tenogenic Differentiation of Tendon Stem/Progenitor Cells by Activating Focal Adhesion Kinase. <i>Stem Cells International</i> , 2020, 2020, 1-10.	2.5	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.	6.5	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.	4.6	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.	8.0	11
16	Amino-containing tannic acid derivative-mediated universal coatings for multifunctional surface modification. <i>Biomaterials Science</i> , 2020, 8, 2120-2128.	5.4	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.	4.5	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.	16.1	60

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19	Tannic acid-assisted deposition of silk sericin on the titanium surfaces for antifouling application. Colloids and Interface Science Communications, 2020, 35, 100241.	4.1	19
20	Green synthesis of perylene diimide-based nanodots for carbon dioxide sensing, antibacterial activity prediction and bacterial discrimination. Dyes and Pigments, 2020, 176, 108245.	3.7	2
21	A sensitive lateral flow immunochromatographic strip with prussian blue nanoparticles mediated signal generation and cascade amplification. Sensors and Actuators B: Chemical, 2020, 309, 127728.	7.8	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. Biomolecules, 2020, 10, 575.	4.0	28
23	Bionic Silk Fibroin Film Induces Morphological Changes and Differentiation of Tendon Stem/Progenitor Cells. Applied Bionics and Biomechanics, 2020, 2020, 1-10.	1.1	10
24	A maltoheptaose-decorated BODIPY photosensitizer for photodynamic inactivation of Gram-positive bacteria. New Journal of Chemistry, 2019, 43, 15057-15065.	2.8	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. RSC Advances, 2019, 9, 23957-23963.	3.6	52
26	Effect of Fiber Surface Modification on the Interfacial Adhesion and Thermo-Mechanical Performance of Unidirectional Epoxy-Based Composites Reinforced with Bamboo Fibers. Molecules, 2019, 24, 2682.	3.8	28
27	Genetic fabrication of functional silk mats with improved cell proliferation activity for medical applications. Biomaterials Science, 2019, 7, 4536-4546.	5.4	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> . Lab on A Chip, 2019, 19, 2383-2393.	6.0	13
29	Chip architecture-enabled sensitivity enhancement of oblique-incidence reflectivity difference for label-free protein microarray detection. Sensors and Actuators B: Chemical, 2019, 294, 216-223.	7.8	16
30	Hydrothermal derived protoporphyrin IX nanoparticles for inactivation and imaging of bacteria strains. Journal of Colloid and Interface Science, 2019, 549, 72-79.	9.4	23
31	Constructing high effective nano-Mn ₃ (PO ₄) ₂ -chitosan in situ electrochemical detection interface for superoxide anions released from living cell. Biosensors and Bioelectronics, 2019, 133, 133-140.	10.1	29
32	Thermal and mechanical performance of unidirectional composites from bamboo fibers with varying volume fractions. Polymer Composites, 2019, 40, 3929-3937.	4.6	32
33	A wearable, cotton thread/paper-based microfluidic device coupled with smartphone for sweat glucose sensing. Cellulose, 2019, 26, 4553-4562.	4.9	106
34	Preparing Polypyrrole-Coated Stretchable Textile via Low-Temperature Interfacial Polymerization for Highly Sensitive Strain Sensor. Micromachines, 2019, 10, 788.	2.9	29
35	A coaxial nanocable textured by a cerium oxide shell and carbon core for sensing nitric oxide. Mikrochimica Acta, 2019, 186, 789.	5.0	1
36	Sensitive colorimetric detection of ochratoxin A by a dual-functional Au/Fe ₃ O ₄ nanohybrid-based aptasensor. RSC Advances, 2019, 9, 38590-38596.	3.6	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.	8.3	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.	5.0	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.	7.3	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.	9.4	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.	4.9	19
42	Flexible Supercapacitor Based on Inkjet-Printed Graphene@Polyaniline Nanocomposites with Ultrahigh Capacitance. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800092.	3.6	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.	5.5	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.	2.9	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.	4.1	25
46	A Sandwich-Structured Piezoresistive Sensor with Electrospun Nanofiber Mats as Supporting, Sensing, and Packaging Layers. <i>Polymers</i> , 2018, 10, 575.	4.5	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.	2.8	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.	3.5	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.	8.3	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.	7.8	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.	5.8	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.	2.7	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.	3.6	18
54	Aptamer-tagged DNA origami for spatially addressable detection of aflatoxin B1. <i>Chemical Communications</i> , 2017, 53, 941-944.	4.1	29

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55	Functional single-walled carbon nanotubes â€”CARâ€”™ for targeting dopamine delivery into the brain of parkinsonian mice. <i>Nanoscale</i> , 2017, 9, 10832-10845.	5.6	52
56	Inkjetâ€”Printed Planar Biochips for Interfacial Detection of Biomoleculars. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700588.	3.7	3
57	Hydrogen-peroxide-modified egg albumen for transparent and flexible resistive switching memory. <i>Nanotechnology</i> , 2017, 28, 425202.	2.6	48
58	Flexible and wearable electronic silk fabrics for human physiological monitoring. <i>Smart Materials and Structures</i> , 2017, 26, 095033.	3.5	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.	3.6	18
60	Oligonucleotide length- and probe number-dependent assembly of gold nanoparticle on triangular DNA origami. <i>RSC Advances</i> , 2016, 6, 36823-36826.	3.6	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.	3.6	11
62	Controllable stationary photocurrents generated from a bacteriorhodopsin/upconversion nanoparticle-based bionanosystem under NIR illumination. <i>Nanoscale</i> , 2016, 8, 18524-18530.	5.6	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.	9.4	11
64	Fully Printed Ultraflexible Supercapacitor Supported by a Single-Textile Substrate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32317-32323.	8.0	92
65	<i>Aspergillus flavus</i> Conidia-derived Carbon/Sulfur Composite as a Cathode Material for High Performance Lithiumâ€”Sulfur Battery. <i>Scientific Reports</i> , 2016, 6, 18739.	3.3	22
66	Ultrathin MnO₂ nanosheets grown on fungal conidium-derived hollow carbon spheres as supercapacitor electrodes. <i>RSC Advances</i> , 2016, 6, 5184-5191.	3.6	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.	10.1	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.	3.6	116
69	Silk fabric-based wearable thermoelectric generator for energy harvesting from the human body. <i>Applied Energy</i> , 2016, 164, 57-63.	10.1	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.	7.8	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.	9.4	61
72	Integration of bacteriorhodopsin with upconversion nanoparticles for NIR-triggered photoelectrical response. <i>Chemical Communications</i> , 2015, 51, 6373-6376.	4.1	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.	4.1	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.	3.6	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.	9.4	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.	3.6	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.	3.9	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.	5.5	69
79	3-D microarray and its microfabrication-free fluidic immunoassay device. <i>Analytica Chimica Acta</i> , 2015, 889, 187-193.	5.4	5
80	A selenium-confined porous carbon cathode from silk cocoons for Li-Se battery applications. <i>RSC Advances</i> , 2015, 5, 96146-96150.	3.6	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.	5.0	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.	6.7	38
83	One-pot synthesis of one-dimensional CdTe-cystine nanocomposite for humidity sensing. <i>Nanotechnology</i> , 2014, 25, 115703.	2.6	1
84	ZnO nanorod-templated well-aligned ZrO ₂ nanotube arrays for fibroblast adhesion and proliferation. <i>Nanotechnology</i> , 2014, 25, 215102.	2.6	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.	1.3	21
86	Graphene oxide-enabled tandem signal amplification for sensitive SPRi immunoassay in serum. <i>Chemical Communications</i> , 2014, 50, 2133.	4.1	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.	6.5	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.	9.4	98
89	ZnO Nanomulberry and Its Significant Nonenzymatic Signal Enhancement for Protein Microarray. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7728-7734.	8.0	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.	4.7	68

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91	Directly Grown $K_{0.33}WO_3$ Nanosheet Film Electrode for Fast Direct Electron Transfer of Protein. ChemElectroChem, 2014, 1, 463-470.	3.4	3
92	Application of vitamin E to antagonize SWCNTs-induced exacerbation of allergic asthma. Scientific Reports, 2014, 4, 4275.	3.3	35
93	Sacrificial polymer thin-film template with tunability to construct high-density Au nanoparticle arrays and their refractive index sensing. Physical Chemistry Chemical Physics, 2013, 15, 15499.	2.8	12
94	Multilayered films incorporating CdTe quantum dots with tunable optical properties for antibacterial application. Thin Solid Films, 2013, 548, 336-342.	1.8	14
95	Tailor and functionalize TiO ₂ compact layer by acid treatment for high performance dye-sensitized solar cell and its enhancement mechanism. Renewable Energy, 2013, 51, 29-35.	8.9	32
96	Simultaneous detection of lactate and glucose by integrated printed circuit board based array sensing chip. Analytica Chimica Acta, 2013, 771, 102-107.	5.4	24
97	ZnO nanowire array-templated LbL self-assembled polyelectrolyte nanotube arrays and application for charged drug delivery. Nanotechnology, 2013, 24, 045605.	2.6	10
98	Polymer/nanosilver composite coatings for antibacterial applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 439, 69-83.	4.7	215
99	A portable flow-through fluorescent immunoassay lab-on-a-chip device using ZnO nanorod-decorated glass capillaries. Lab on A Chip, 2013, 13, 1797.	6.0	47
100	Self-assembling micro-sized materials to fabricate multifunctional hierarchical nanostructures on macroscale substrates. Journal of Materials Chemistry A, 2013, 1, 6416.	10.3	28
101	Plastic protein microarray to investigate the molecular pathways of magnetic nanoparticle-induced nanotoxicity. Nanotechnology, 2013, 24, 175501.	2.6	28
102	Charged drug delivery by ultrafast exponentially grown weak polyelectrolyte multilayers: amphoteric properties, ultrahigh loading capacity and pH-responsiveness. Journal of Materials Chemistry, 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. Advanced Functional Materials, 2012, 22, 1932-1939.	14.9	32
104	Enhance electron transfer and performance of microbial fuel cells by perforating the cell membrane. Electrochemistry Communications, 2012, 15, 50-53.	4.7	68
105	Graphene- Pt/ITO counter electrode to significantly reduce Pt loading and enhance charge transfer for high performance dye-sensitized solar cell. Solar Energy, 2012, 86, 2041-2048.	6.1	58
106	Mechanism for dimethylformamide-treatment of poly(3,4-ethylenedioxythiophene): poly(styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Solar Cells, 2012, 100, 115-119.	6.2	26
107	Controllably layer-by-layer self-assembled polyelectrolytes/nanoparticle blend hollow capsules and their unique properties. Journal of Materials Chemistry, 2011, 21, 5148.	6.7	48
108	Rewritable multicolor fluorescent patterns for multistate memory devices with high data storage capacity. Chemical Communications, 2011, 47, 9609.	4.1	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.	2.6	22
110	Interaction mechanisms of CdTe quantum dots with proteins possessing different isoelectric points. <i>MedChemComm</i> , 2011, 2, 283.	3.4	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.	7.1	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.	2.8	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.	9.4	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.	9.4	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.	6.2	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.	8.3	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.	14.9	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.	21.0	184
120	Layered Graphene/Quantum Dots for Photovoltaic Devices. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3014-3017.	13.8	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.	9.4	19
122	Ionic liquid-graphene composite for ultratrace explosive trinitrotoluene detection. <i>Electrochemistry Communications</i> , 2010, 12, 1237-1240.	4.7	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.	3.5	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.	3.4	37
125	Effect of particle shape on phagocytosis of CdTe quantum dot-cystine composites. <i>MedChemComm</i> , 2010, 1, 84.	3.4	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.	30.8	34

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127	High performance organic thin film transistor with phenyltrimethoxysilane-modified dielectrics. Applied Physics Letters, 2009, 94, 153308.	3.3	13
128	Microstructure transformations induced by modified-layers on pentacene polymorphic films and their effect on performance of organic thin-film transistor. Organic Electronics, 2009, 10, 1388-1395.	2.6	13
129	Solution-Prepared Hybrid-Nanoparticle Dielectrics for High-Performance Low-Voltage Organic Thin-Film Transistors. ACS Applied Materials & Interfaces, 2009, 1, 2230-2236.	8.0	25
130	Theoretical and Experimental Studies of Electronic Transport of Dithienothiophene. Journal of Physical Chemistry C, 2009, 113, 12530-12537.	3.1	28
131	High performance protein microarrays based on glycidyl methacrylate-modified polyethylene terephthalate plastic substrate. Talanta, 2009, 77, 1165-1171.	5.5	36
132	Photophysical Mechanism for Quantum Dots-Induced Bacterial Growth Inhibition. Journal of Nanoscience and Nanotechnology, 2009, 9, 3252-3255.	0.9	24
133	Solution-Processable Barium Titanate and Strontium Titanate Nanoparticle Dielectrics for Low-Voltage Organic Thin-Film Transistors. Chemistry of Materials, 2009, 21, 3153-3161.	6.7	45
134	AFM study of adsorption of protein A on a poly(dimethylsiloxane) surface. Nanotechnology, 2009, 20, 285101.	2.6	9
135	A time-course transcriptome analysis of Escherichia coli with direct electrochemistry behavior in microbial fuel cells. Chemical Communications, 2009, , 6183.	4.1	22
136	In situ fabrication of silver nanoarrays in hyaluronan/PDDA layer-by-layer assembled structure. Journal of Colloid and Interface Science, 2008, 327, 459-465.	9.4	50
137	Self-assembled monolayers mediated charge injection for high performance bottom-contact poly(3,3'-diindolylquaterthiophene) thin-film transistors. Organic Electronics, 2008, 9, 936-943.	2.6	27
138	In situ AFM study of electrochemical synthesis of polypyrrole/Au nanocomposite. Electrochemistry Communications, 2008, 10, 1340-1343.	4.7	36
139	Mechanism of Antimicrobial Activity of CdTe Quantum Dots. Langmuir, 2008, 24, 5445-5452.	3.5	198
140	Semiconductive Polymers Containing Dithieno[3,2-b:2',3'-d]pyrrole for Organic Thin-Film Transistors. Macromolecules, 2008, 41, 8953-8955.	4.8	44
141	Sensitive Human Interleukin 5 Impedimetric Sensor Based on Polypyrrole-Pyrrolepropylic Acid-Gold Nanocomposite. Analytical Chemistry, 2008, 80, 8485-8492.	6.5	60
142	Supercapacitance of Solid Carbon Nanofibers Made from Ethanol Flames. Journal of Physical Chemistry C, 2008, 112, 3612-3618.	3.1	83
143	New architecture for accurate characterization of the behavior of individual sub-cells within a tandem organic solar cell. Energy and Environmental Science, 2008, 1, 389.	30.8	20
144	Nanostructured Polyaniline/Titanium Dioxide Composite Anode for Microbial Fuel Cells. ACS Nano, 2008, 2, 113-119.	14.6	381

#	ARTICLE	IF	CITATIONS
145	Direct Observation and Analysis of Annealing-Induced Microstructure at Interface and Its Effect on Performance Improvement of Organic Thin Film Transistors. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12270-12278.	2.6	25
146	Bottom-Contact Poly(3,3'-di-2,2'-didodecylquaterthiophene) Thin-Film Transistors with Gold Source-Drain Electrodes Modified by Alkanethiol Monolayers. <i>Langmuir</i> , 2008, 24, 11889-11894.	3.5	11
147	Solution-processable organic-capped titanium oxide nanoparticle dielectrics for organic thin-film transistors. <i>Applied Physics Letters</i> , 2008, 93, 113304.	3.3	22
148	Direct electrochemistry and electrocatalytic mechanism of evolved <i>Escherichia coli</i> cells in microbial fuel cells. <i>Chemical Communications</i> , 2008, , 1290.	4.1	166
149	Synthesis and Electrical Transport Properties of Single-Crystal Antimony Sulfide Nanowires. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17131-17135.	3.1	40
150	pH-Controlled Construction of Chitosan/Alginate Multilayer Film: Characterization and Application for Antibody Immobilization. <i>Langmuir</i> , 2007, 23, 13046-13052.	3.5	134
151	Covalently linked DNA/protein multilayered film for controlled DNA release. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 80-88.	9.4	39
152	Studies on formation and repair of formaldehyde-damaged DNA by detection of DNA-protein crosslinks and DNA breaks. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 991.	3.0	48
153	Type II vanilloid receptor signaling system: one of the possible mechanisms for the rise in asthma cases. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 2527.	3.0	9