

Peng Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/719205/publications.pdf>

Version: 2024-02-01

377
papers

43,008
citations

1893

102
h-index

2571

195
g-index

381
all docs

381
docs citations

381
times ranked

48378
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Surface Chemistry Engineering of Perovskite Quantum Dots: Strategies, Applications, and Perspectives. <i>Advanced Materials</i> , 2022, 34, e2105958. | 21.0 | 128 |
| 2 | Visible and Online Detection of Near-Infrared Optical Vortices via Nonlinear Photonic Crystals. <i>Advanced Optical Materials</i> , 2022, 10, 2101098. | 7.3 | 11 |
| 3 | Physiological and DNA methylation analysis provides epigenetic insights into chromium tolerance in kenaf. <i>Environmental and Experimental Botany</i> , 2022, 194, 104684. | 4.2 | 15 |
| 4 | Analogous Optical Activity in Free Space Using a Single Pancharatnam Berry Phase Element. <i>Laser and Photonics Reviews</i> , 2022, 16, 2100291. | 8.7 | 15 |
| 5 | An All-Liquid-Crystal Strategy for Fast Orbital Angular Momentum Encoding and Optical Vortex Steering. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, 28, 1-6. | 2.9 | 1 |
| 6 | Visible and Online Detection of Near-Infrared Optical Vortices via Nonlinear Photonic Crystals (Advanced Optical Materials 1/2022). <i>Advanced Optical Materials</i> , 2022, 10, . | 7.3 | 0 |
| 7 | Dynamically Selective and Simultaneous Detection of Spin and Orbital Angular Momenta of Light with Thermoresponsive Self-Assembled Chiral Superstructures. <i>ACS Photonics</i> , 2022, 9, 1050-1057. | 6.6 | 12 |
| 8 | Transdermal Photothermal-Pharmacotherapy to Remodel Adipose Tissue for Obesity and Metabolic Disorders. <i>ACS Nano</i> , 2022, 16, 1813-1825. | 14.6 | 32 |
| 9 | Multifunctional Liquid Crystal Device for Grayscale Pattern Display and Holography with Tunable Spectral Response. <i>Laser and Photonics Reviews</i> , 2022, 16, . | 8.7 | 29 |
| 10 | Patterned optical anisotropic film for generation of non-diffracting vortex beams. <i>Applied Physics Letters</i> , 2022, 120, . | 3.3 | 2 |
| 11 | Full-Stokes Polarimetry for Visible Light Enabled by an All-Dielectric Metasurface. <i>Advanced Photonics Research</i> , 2022, 3, . | 3.6 | 17 |
| 12 | The transcription factor HcERF4 confers salt and drought tolerance in kenaf (<i>Hibiscus cannabinus</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 150, 207-221. | 2.3 | 7 |
| 13 | Integrated Methylome and Transcriptome Analysis Provides Insights into the DNA Methylation Underlying the Mechanism of Cytoplasmic Male Sterility in Kenaf (<i>Hibiscus cannabinus</i> L.). <i>International Journal of Molecular Sciences</i> , 2022, 23, 6864. | 4.1 | 3 |
| 14 | Comparative transcriptomic analysis reveals key genes and pathways in two different cadmium tolerance kenaf (<i>Hibiscus cannabinus</i> L.) cultivars. <i>Chemosphere</i> , 2021, 263, 128211. | 8.2 | 53 |
| 15 | Minimizing Voltage Losses in Perovskite Solar Cells. <i>Small Structures</i> , 2021, 2, 2000050. | 12.0 | 43 |
| 16 | Switchable Second-Harmonic Generation of Airy Beam and Airy Vortex Beam. <i>Advanced Optical Materials</i> , 2021, 9, 2001776. | 7.3 | 15 |
| 17 | A comprehensive integrated transcriptome and metabolome analyses to reveal key genes and essential metabolic pathways involved in CMS in kenaf. <i>Plant Cell Reports</i> , 2021, 40, 223-236. | 5.6 | 5 |
| 18 | Highly Selective Synthesis of Monolayer or Bilayer WSe ₂ Single Crystals by Pre-annealing the Solid Precursor. <i>Chemistry of Materials</i> , 2021, 33, 1307-1313. | 6.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Substrate Engineering for CVD Growth of Single Crystal Graphene. <i>Small Methods</i> , 2021, 5, e2001213. | 8.6 | 25 |
| 20 | Van der Waals epitaxial growth of air-stable CrSe ₂ nanosheets with thickness-tunable magnetic order. <i>Nature Materials</i> , 2021, 20, 818-825. | 27.5 | 206 |
| 21 | Tunable band-pass optical vortex processor enabled by wash-out-refill chiral superstructures. <i>Applied Physics Letters</i> , 2021, 118, . | 3.3 | 26 |
| 22 | 5-azacytidine pre-treatment alters DNA methylation levels and induces genes responsive to salt stress in kenaf (<i>Hibiscus cannabinus</i> L.). <i>Chemosphere</i> , 2021, 271, 129562. | 8.2 | 27 |
| 23 | Nanoconfined Topochemical Conversion from MXene to Ultrathin Non-layered TiN Nanomesh toward Superior Electrocatalysts for Lithium-Sulfur Batteries. <i>Small</i> , 2021, 17, e2101360. | 10.0 | 25 |
| 24 | Programmable self-propelling actuators enabled by a dynamic helical medium. <i>Science Advances</i> , 2021, 7, . | 10.3 | 21 |
| 25 | Integrated Methylome and Transcriptome Analyses Reveal the Molecular Mechanism by Which DNA Methylation Regulates Kenaf Flowering. <i>Frontiers in Plant Science</i> , 2021, 12, 709030. | 3.6 | 5 |
| 26 | Graphene quantum dots assisted exfoliation of atomically-thin 2D materials and as-formed OD/2D van der Waals heterojunction for HER. <i>Carbon</i> , 2021, 184, 554-561. | 10.3 | 43 |
| 27 | Lead-free metal-halide double perovskites: from optoelectronic properties to applications. <i>Nanophotonics</i> , 2021, 10, 2181-2219. | 6.0 | 33 |
| 28 | Liquid crystal devices for vector vortex beams manipulation and quantum information applications [Invited]. <i>Chinese Optics Letters</i> , 2021, 19, 112601. | 2.9 | 24 |
| 29 | Liquid-phase sintering of lead halide perovskites and metal-organic framework glasses. <i>Science</i> , 2021, 374, 621-625. | 12.6 | 137 |
| 30 | Approaching the intrinsic exciton physics limit in two-dimensional semiconductor diodes. <i>Nature</i> , 2021, 599, 404-410. | 27.8 | 57 |
| 31 | Liquid-Crystal-Mediated Geometric Phase: From Transmissive to Broadband Reflective Planar Optics. <i>Advanced Materials</i> , 2020, 32, e1903665. | 21.0 | 124 |
| 32 | Nitrogen defect structure and NO ⁺ intermediate promoted photocatalytic NO removal on H ₂ treated g-C ₃ N ₄ . <i>Chemical Engineering Journal</i> , 2020, 379, 122282. | 12.7 | 260 |
| 33 | Unraveling the mechanism of binary channel reactions in photocatalytic formaldehyde decomposition for promoted mineralization. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118130. | 20.2 | 99 |
| 34 | Ultrafast growth of large single crystals of monolayer WS ₂ and WSe ₂ . <i>National Science Review</i> , 2020, 7, 737-744. | 9.5 | 64 |
| 35 | Bi metal prevents the deactivation of oxygen vacancies in Bi ₂ O ₂ CO ₃ for stable and efficient photocatalytic NO abatement. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118545. | 20.2 | 197 |
| 36 | Design of twin junction with solid solution interface for efficient photocatalytic H ₂ production. <i>Nano Energy</i> , 2020, 69, 104410. | 16.0 | 62 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Alkaline-earth bis(trifluoromethanesulfonimide) additives for efficient and stable perovskite solar cells. <i>Nano Energy</i> , 2020, 69, 104412. | 16.0 | 54 |
| 38 | Comparative Cytological and Gene Expression Analysis Reveals Potential Metabolic Pathways and Target Genes Responsive to Salt Stress in Kenaf (<i>Hibiscus cannabinus</i> L.). <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1245-1260. | 5.1 | 20 |
| 39 | Luminescent europium-doped titania for efficiency and UV-stability enhancement of planar perovskite solar cells. <i>Nano Energy</i> , 2020, 69, 104392. | 16.0 | 47 |
| 40 | Bi-based photocatalysts for light-driven environmental and energy applications: Structural tuning, reaction mechanisms, and challenges. <i>EcoMat</i> , 2020, 2, e12047. | 11.9 | 79 |
| 41 | Transcriptome analysis revealed key genes and pathways related to cadmium-stress tolerance in Kenaf (<i>Hibiscus cannabinus</i> L.). <i>Industrial Crops and Products</i> , 2020, 158, 112970. | 5.2 | 45 |
| 42 | Enhancing electrochemical nitrogen reduction with Ru nanowires via the atomic decoration of Pt. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25142-25147. | 10.3 | 22 |
| 43 | Unveiling the unconventional roles of methyl number on the ring-opening barrier in photocatalytic decomposition of benzene, toluene and o-xylene. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119318. | 20.2 | 57 |
| 44 | Sulfur-based redox chemistry for electrochemical energy storage. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213445. | 18.8 | 28 |
| 45 | Aggregate-Based FRET Monitoring of Drug Release from Polymer Nanoparticles with High Drug Loading. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20065-20074. | 13.8 | 42 |
| 46 | Broadband Detection of Multiple Spin and Orbital Angular Momenta via Dielectric Metasurface. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000062. | 8.7 | 58 |
| 47 | Spin-controlled massive channels of hybrid-order Poincaré sphere beams. <i>Applied Physics Letters</i> , 2020, 117, . | 3.3 | 11 |
| 48 | Dual-Ion Diffusion Induced Degradation in Lead-Free Cs ₂ AgBiBr ₆ Double Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2002342. | 14.9 | 86 |
| 49 | Facet-Dependent Catalytic Performance of Au Nanocrystals for Electrochemical Nitrogen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41613-41619. | 8.0 | 42 |
| 50 | Remodeling Tumor Microenvironment by Multifunctional Nanoassemblies for Enhanced Photodynamic Cancer Therapy. , 2020, 2, 1268-1286. | | 40 |
| 51 | Rare-Earth Single-Atom La ^{III} Charge-Transfer Bridge on Carbon Nitride for Highly Efficient and Selective Photocatalytic CO ₂ Reduction. <i>ACS Nano</i> , 2020, 14, 15841-15852. | 14.6 | 283 |
| 52 | In Situ Formation of Oxygen Vacancies Achieving Near-Complete Charge Separation in Planar BiVO ₄ Photoanodes. <i>Advanced Materials</i> , 2020, 32, e2001385. | 21.0 | 236 |
| 53 | Transdermal theranostics. <i>View</i> , 2020, 1, e21. | 5.3 | 17 |
| 54 | Intermarriage of Halide Perovskites and Metal-Organic Framework Crystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19434-19449. | 13.8 | 73 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Intermarriage of Halide Perovskites and Metal-Organic Framework Crystals. <i>Angewandte Chemie</i> , 2020, 132, 19602-19617. | 2.0 | 14 |
| 56 | Smectic Defect Engineering Enabled by Programmable Photoalignment. <i>Advanced Optical Materials</i> , 2020, 8, 2000593. | 7.3 | 14 |
| 57 | Liquid-Crystal-Mediated Active Waveguides toward Programmable Integrated Optics. <i>Advanced Optical Materials</i> , 2020, 8, 1902033. | 7.3 | 12 |
| 58 | Redox Control of Charge Transport in Vertical Ferrocene Molecular Tunnel Junctions. <i>CheM</i> , 2020, 6, 1172-1182. | 11.7 | 40 |
| 59 | Lancing Drug Reservoirs into Subcutaneous Fat to Combat Obesity and Associated Metabolic Diseases. <i>Small</i> , 2020, 16, 2002872. | 10.0 | 8 |
| 60 | Designing efficient Bi ₂ Fe ₄ O ₉ photoanodes via bulk and surface defect engineering. <i>Chemical Communications</i> , 2020, 56, 9376-9379. | 4.1 | 14 |
| 61 | High-order minibands and interband Landau level reconstruction in graphene moiré superlattices. <i>Physical Review B</i> , 2020, 102, . | 3.2 | 7 |
| 62 | Planar Terahertz Photonics Mediated by Liquid Crystal Polymers. <i>Advanced Optical Materials</i> , 2020, 8, 1902124. | 7.3 | 31 |
| 63 | Theoretical design and experimental investigation on highly selective Pd particles decorated C ₃ N ₄ for safe photocatalytic NO purification. <i>Journal of Hazardous Materials</i> , 2020, 392, 122357. | 12.4 | 81 |
| 64 | van der Waals Heterojunction between a Bottom-Up Grown Doped Graphene Quantum Dot and Graphene for Photoelectrochemical Water Splitting. <i>ACS Nano</i> , 2020, 14, 1185-1195. | 14.6 | 100 |
| 65 | Synergistic effects of crystal structure and oxygen vacancy on Bi ₂ O ₃ polymorphs: intermediates activation, photocatalytic reaction efficiency, and conversion pathway. <i>Science Bulletin</i> , 2020, 65, 467-476. | 9.0 | 108 |
| 66 | Ligand-assisted cation-exchange engineering for high-efficiency colloidal Cs _{1-x} FAPbI ₃ quantum dot solar cells with reduced phase segregation. <i>Nature Energy</i> , 2020, 5, 79-88. | 39.5 | 412 |
| 67 | Dimensionality-Controlled Surface Passivation for Enhancing Performance and Stability of Perovskite Solar Cells via Triethylenetetramine Vapor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6651-6661. | 8.0 | 29 |
| 68 | The high selectivity for benzoic acid formation on Ca ₂ Sb ₂ O ₇ enables efficient and stable toluene mineralization. <i>Applied Catalysis B: Environmental</i> , 2020, 271, 118948. | 20.2 | 48 |
| 69 | The importance of intermediates ring-opening in preventing photocatalyst deactivation during toluene decomposition. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118977. | 20.2 | 84 |
| 70 | Flexible solar-rechargeable energy system. <i>Energy Storage Materials</i> , 2020, 32, 356-376. | 18.0 | 23 |
| 71 | iTRAQ-based comparative proteomic response analysis reveals regulatory pathways and divergent protein targets associated with salt-stress tolerance in kenaf (<i>Hibiscus cannabinus</i> L.). <i>Industrial Crops and Products</i> , 2020, 153, 112566. | 5.2 | 11 |
| 72 | Programmable devices based on reversible solid-state doping of two-dimensional semiconductors with superionic silver iodide. <i>Nature Electronics</i> , 2020, 3, 630-637. | 26.0 | 61 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Liquid crystal integrated metalens with tunable chromatic aberration. <i>Advanced Photonics</i> , 2020, 2, 1. | 11.8 | 68 |
| 74 | Antimicrobial Microneedle Patch for Treating Deep Cutaneous Fungal Infection. <i>Advanced Therapeutics</i> , 2019, 2, 1900064. | 3.2 | 28 |
| 75 | Phenethylammonium bismuth halides: from single crystals to bulky-organic cation promoted thin-film deposition for potential optoelectronic applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20733-20741. | 10.3 | 38 |
| 76 | Band evolution of two-dimensional transition metal dichalcogenides under electric fields. <i>Applied Physics Letters</i> , 2019, 115, 083104. | 3.3 | 9 |
| 77 | Controlling the secondary pollutant on B-doped g-C ₃ N ₄ during photocatalytic NO removal: a combined DRIFTS and DFT investigation. <i>Catalysis Science and Technology</i> , 2019, 9, 4531-4537. | 4.1 | 20 |
| 78 | Bifunctional N-CoSe ₂ /3D-MXene as Highly Efficient and Durable Cathode for Rechargeable Zn-Air Battery. , 2019, 1, 432-439. | | 90 |
| 79 | Facet-dependent photocatalytic NO conversion pathways predetermined by adsorption activation patterns. <i>Nanoscale</i> , 2019, 11, 2366-2373. | 5.6 | 49 |
| 80 | Light-Activated Liquid Crystalline Hierarchical Architecture Toward Photonics. <i>Advanced Optical Materials</i> , 2019, 7, 1900393. | 7.3 | 29 |
| 81 | Chirality invertible superstructure mediated active planar optics. <i>Nature Communications</i> , 2019, 10, 2518. | 12.8 | 106 |
| 82 | A Portable and Efficient Solar-Rechargeable Battery with Ultrafast Photo-Charge/Discharge Rate. <i>Advanced Energy Materials</i> , 2019, 9, 1900872. | 19.5 | 49 |
| 83 | Pivotal roles of artificial oxygen vacancies in enhancing photocatalytic activity and selectivity on Bi ₂ O ₂ CO ₃ nanosheets. <i>Chinese Journal of Catalysis</i> , 2019, 40, 620-630. | 14.0 | 65 |
| 84 | Comparative profile analysis reveals differentially expressed microRNAs regulate anther and pollen development in kenaf cytoplasmic male sterility line. <i>Genome</i> , 2019, 62, 455-466. | 2.0 | 5 |
| 85 | Recent Advances on Graphene Quantum Dots: From Chemistry and Physics to Applications. <i>Advanced Materials</i> , 2019, 31, e1808283. | 21.0 | 603 |
| 86 | Direct van der Waals epitaxial growth of 1D/2D Sb ₂ Se ₃ /WS ₂ mixed-dimensional p-n heterojunctions. <i>Nano Research</i> , 2019, 12, 1139-1145. | 10.4 | 63 |
| 87 | Promoted reactants activation and charge separation leading to efficient photocatalytic activity on phosphate/potassium co-functionalized carbon nitride. <i>Chinese Chemical Letters</i> , 2019, 30, 875-880. | 9.0 | 34 |
| 88 | A Fast-Response and Helicity-Dependent Lens Enabled by Micro-Patterned Dual-Frequency Liquid Crystals. <i>Crystals</i> , 2019, 9, 111. | 2.2 | 15 |
| 89 | Molecular cloning and subcellular localization of six HDACs and their roles in response to salt and drought stress in kenaf (<i>Hibiscus cannabinus</i> L.). <i>Biological Research</i> , 2019, 52, 20. | 3.4 | 24 |
| 90 | Self-Assembled Asymmetric Microlenses for Four-Dimensional Visual Imaging. <i>ACS Nano</i> , 2019, 13, 13709-13715. | 14.6 | 39 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Graphene oxide mediated co-generation of C-doping and oxygen defects in Bi ₂ WO ₆ nanosheets: a combined DRIFTS and DFT investigation. <i>Nanoscale</i> , 2019, 11, 20562-20570. | 5.6 | 37 |
| 92 | Light-Induced Generation and Regeneration of Oxygen Vacancies in BiSbO ₄ for Sustainable Visible Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47984-47991. | 8.0 | 61 |
| 93 | Understanding the Roles of Oxygen Vacancies in Hematite-Based Photoelectrochemical Processes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1030-1034. | 13.8 | 268 |
| 94 | Boosting the Photocatalytic Ability of Cu ₂ O Nanowires for CO ₂ Conversion by MXene Quantum Dots. <i>Advanced Functional Materials</i> , 2019, 29, 1806500. | 14.9 | 354 |
| 95 | Comparative acetylomic analysis reveals differentially acetylated proteins regulating anther and pollen development in kenaf cytoplasmic male sterility line. <i>Physiologia Plantarum</i> , 2019, 166, 960-978. | 5.2 | 8 |
| 96 | High-performance asymmetric electrodes photodiode based on Sb/WSe ₂ heterostructure. <i>Nano Research</i> , 2019, 12, 339-344. | 10.4 | 32 |
| 97 | Directional electron delivery and enhanced reactants activation enable efficient photocatalytic air purification on amorphous carbon nitride co-functionalized with O/La. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 19-30. | 20.2 | 103 |
| 98 | Evolution of orbital angular momentum in a soft quasi-periodic structure with topological defects. <i>Optics Express</i> , 2019, 27, 21667. | 3.4 | 6 |
| 99 | Ferroelectric liquid crystal mediated fast switchable orbital angular momentum of light. <i>Optics Express</i> , 2019, 27, 36903. | 3.4 | 10 |
| 100 | Holey nickel hydroxide nanosheets for wearable solid-state fiber-supercapacitors. <i>Nanoscale</i> , 2018, 10, 5442-5448. | 5.6 | 50 |
| 101 | Fragmentation of twisted light in photon-phonon nonlinear propagation. <i>Applied Physics Letters</i> , 2018, 112, . | 3.3 | 18 |
| 102 | Synergistic photo-thermal catalytic NO purification of MnO/g-C ₃ N ₄ : Enhanced performance and reaction mechanism. <i>Chinese Journal of Catalysis</i> , 2018, 39, 619-629. | 14.0 | 75 |
| 103 | Organic Dye Based Nanoparticles for Cancer Phototheranostics. <i>Small</i> , 2018, 14, e1704247. | 10.0 | 226 |
| 104 | Comparative phosphoproteomic analysis reveals differentially phosphorylated proteins regulate anther and pollen development in kenaf cytoplasmic male sterility line. <i>Amino Acids</i> , 2018, 50, 841-862. | 2.7 | 23 |
| 105 | Bulk SnO @C composite for improved lithium storage. <i>Journal of Alloys and Compounds</i> , 2018, 740, 312-320. | 5.5 | 6 |
| 106 | Recent progress in the development of near-infrared organic photothermal and photodynamic nanotherapeutics. <i>Biomaterials Science</i> , 2018, 6, 746-765. | 5.4 | 250 |
| 107 | Progress and Perspective in Low-Dimensional Metal Halide Perovskites for Optoelectronic Applications. <i>Solar Rrl</i> , 2018, 2, 1700186. | 5.8 | 98 |
| 108 | In Situ Growth of 2D Perovskite Capping Layer for Stable and Efficient Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1706923. | 14.9 | 543 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 109 | Broadband Plasmonic Antenna Enhanced Upconversion and Its Application in Flexible Fingerprint Identification. <i>Advanced Optical Materials</i> , 2018, 6, 1701119. | 7.3 | 32 |
| 110 | Simultaneous label-free and pretreatment-free detection of heavy metal ions in complex samples using electrodes decorated with vertically ordered silica nanochannels. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 364-371. | 7.8 | 86 |
| 111 | Analysis of chloroplast differences in leaves of rice isonuclear alloplasmic lines. <i>Protoplasma</i> , 2018, 255, 863-871. | 2.1 | 15 |
| 112 | Digitalizing Self-Assembled Chiral Superstructures for Optical Vortex Processing. <i>Advanced Materials</i> , 2018, 30, 1705865. | 21.0 | 131 |
| 113 | Nacre Mimetic with Embedded Silver Nanowire for Resistive Heating. <i>ACS Applied Nano Materials</i> , 2018, 1, 940-952. | 5.0 | 14 |
| 114 | Quasi-homogeneous carbocatalysis for one-pot selective conversion of carbohydrates to 5-hydroxymethylfurfural using sulfonated graphene quantum dots. <i>Carbon</i> , 2018, 136, 224-233. | 10.3 | 60 |
| 115 | New BiVO ₄ Dual Photoanodes with Enriched Oxygen Vacancies for Efficient Solar-Driven Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1800486. | 21.0 | 414 |
| 116 | Graphene quantum dot engineered nickel-cobalt phosphide as highly efficient bifunctional catalyst for overall water splitting. <i>Nano Energy</i> , 2018, 48, 284-291. | 16.0 | 143 |
| 117 | Vortex Airy beams directly generated via liquid crystal q-Airy-plates. <i>Applied Physics Letters</i> , 2018, 112, . | 3.3 | 47 |
| 118 | Systematic Bandgap Engineering of Graphene Quantum Dots and Applications for Photocatalytic Water Splitting and CO ₂ Reduction. <i>ACS Nano</i> , 2018, 12, 3523-3532. | 14.6 | 341 |
| 119 | Chemical synthesis of two-dimensional atomic crystals, heterostructures and superlattices. <i>Chemical Society Reviews</i> , 2018, 47, 3129-3151. | 38.1 | 132 |
| 120 | Graphene quantum dots based fluorescence turn-on nanoprobe for highly sensitive and selective imaging of hydrogen sulfide in living cells. <i>Biomaterials Science</i> , 2018, 6, 779-784. | 5.4 | 42 |
| 121 | Tunable excitonic emission of monolayer WS ₂ for the optical detection of DNA nucleobases. <i>Nano Research</i> , 2018, 11, 1744-1754. | 10.4 | 20 |
| 122 | Oxygenic Hybrid Semiconducting Nanoparticles for Enhanced Photodynamic Therapy. <i>Nano Letters</i> , 2018, 18, 586-594. | 9.1 | 294 |
| 123 | Nanochannel-Confined Graphene Quantum Dots for Ultrasensitive Electrochemical Analysis of Complex Samples. <i>ACS Nano</i> , 2018, 12, 12673-12681. | 14.6 | 129 |
| 124 | Chemical Vapor Deposition Growth of Single Crystalline CoTe ₂ Nanosheets with Tunable Thickness and Electronic Properties. <i>Chemistry of Materials</i> , 2018, 30, 8891-8896. | 6.7 | 51 |
| 125 | Perfect Higher-Order Poincaré Sphere Beams from Digitalized Geometric Phases. <i>Physical Review Applied</i> , 2018, 10, . | 3.8 | 31 |
| 126 | Liquid-crystal-integrated metadvice: towards active multifunctional terahertz wave manipulations. <i>Optics Letters</i> , 2018, 43, 4695. | 3.3 | 54 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 127 | Solution-processable 2D semiconductors for high-performance large-area electronics. <i>Nature</i> , 2018, 562, 254-258. | 27.8 | 644 |
| 128 | Two-dimensional plumbum-doped tin diselenide monolayer transistor with high on/off ratio. <i>Nanotechnology</i> , 2018, 29, 474002. | 2.6 | 30 |
| 129 | Complete sequence of kenaf (<i>Hibiscus cannabinus</i>) mitochondrial genome and comparative analysis with the mitochondrial genomes of other plants. <i>Scientific Reports</i> , 2018, 8, 12714. | 3.3 | 43 |
| 130 | Insight into the charge transport correlation in Au clusters and graphene quantum dots deposited on TiO ₂ nanotubes for photoelectrochemical oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11154-11162. | 10.3 | 89 |
| 131 | Thickness-Tunable Synthesis of Ultrathin Type-II Dirac Semimetal PtTe ₂ Single Crystals and Their Thickness-Dependent Electronic Properties. <i>Nano Letters</i> , 2018, 18, 3523-3529. | 9.1 | 147 |
| 132 | Magnetotransport Properties of Graphene Nanoribbons with Zigzag Edges. <i>Physical Review Letters</i> , 2018, 120, 216601. | 7.8 | 28 |
| 133 | Synthesis of Ultrathin Metallic MTe ₂ (M = V, Nb, Ta) Single-Crystalline Nanoplates. <i>Advanced Materials</i> , 2018, 30, e1801043. | 21.0 | 183 |
| 134 | Control the orbital angular momentum in third-harmonic generation using quasi-phase-matching. <i>Optics Express</i> , 2018, 26, 17563. | 3.4 | 15 |
| 135 | Inorganic p-Type Semiconductors as Hole Conductor Building Blocks for Robust Perovskite Solar Cells. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800032. | 5.3 | 26 |
| 136 | Energy loss analysis in photoelectrochemical water splitting: a case study of hematite photoanodes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22629-22635. | 2.8 | 15 |
| 137 | Semiconducting Polymer Nanobiocatalysts for Photoactivation of Intracellular Redox Reactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13484-13488. | 13.8 | 32 |
| 138 | Enhanced plasmonic photocatalytic disinfection on noble-metal-free bismuth nanospheres/graphene nanocomposites. <i>Catalysis Science and Technology</i> , 2018, 8, 4600-4603. | 4.1 | 24 |
| 139 | Synthesis of ultrathin two-dimensional nanosheets and van der Waals heterostructures from non-layered I ³ -CuI. <i>Npj 2D Materials and Applications</i> , 2018, 2, . | 7.9 | 34 |
| 140 | Ultrafast switching of optical singularity eigenstates with compact integrable liquid crystal structures. <i>Optics Express</i> , 2018, 26, 28818. | 3.4 | 17 |
| 141 | Parallel Processing OAM Modes Through Liquid Crystal Photoalignment. , 2018, , . | | 1 |
| 142 | An aza-BODIPY photosensitizer for photoacoustic and photothermal imaging guided dual modal cancer phototherapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1566-1573. | 5.8 | 96 |
| 143 | Multi-stimuli responsive smart chitosan-based microcapsules for targeted drug delivery and triggered drug release. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 145-153. | 8.2 | 67 |
| 144 | Enhanced perovskite electronic properties via a modified lead(II) chloride Lewis acid-base adduct and their effect in high-efficiency perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5195-5203. | 10.3 | 128 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. <i>Small</i> , 2017, 13, 1604139. | 10.0 | 83 |
| 146 | Smectic Layer Origami via Preprogrammed Photoalignment. <i>Advanced Materials</i> , 2017, 29, 1606671. | 21.0 | 42 |
| 147 | Organic Nanoprobe Cocktails for Multilocal and Multicolor Fluorescence Imaging of Reactive Oxygen Species. <i>Advanced Functional Materials</i> , 2017, 27, 1700493. | 14.9 | 82 |
| 148 | An elaborate strategy for fabricating one-dimensional quasi-hollow nanostructure of tin dioxide@carbon composite with improved lithium storage performance. <i>Carbon</i> , 2017, 118, 634-641. | 10.3 | 22 |
| 149 | Facile and scalable preparation of highly luminescent N,S co-doped graphene quantum dots and their application for parallel detection of multiple metal ions. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6593-6600. | 5.8 | 106 |
| 150 | Superstructures: Smectic Layer Origami via Preprogrammed Photoalignment (<i>Adv. Mater.</i> 15/2017). <i>Advanced Materials</i> , 2017, 29, . | 21.0 | 0 |
| 151 | Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. <i>Small</i> , 2017, 13, 1700798. | 10.0 | 60 |
| 152 | Optical field control via liquid crystal photoalignment. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 644, 3-11. | 0.9 | 6 |
| 153 | Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite. <i>Advanced Materials</i> , 2017, 29, 1604764. | 21.0 | 220 |
| 154 | Sonochemical fabrication of folic acid functionalized multistimuli-responsive magnetic graphene oxide-based nanocapsules for targeted drug delivery. <i>Chemical Engineering Journal</i> , 2017, 326, 839-848. | 12.7 | 40 |
| 155 | An Electrochemically Treated BiVO ₄ Photoanode for Efficient Photoelectrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8500-8504. | 13.8 | 369 |
| 156 | Digitalized Geometric Phases for Parallel Optical Spin and Orbital Angular Momentum Encoding. <i>ACS Photonics</i> , 2017, 4, 1333-1338. | 6.6 | 93 |
| 157 | A Graphene Quantum Dots-Hypochlorite Hybrid System for the Quantitative Fluorescent Determination of Total Antioxidant Capacity. <i>Small</i> , 2017, 13, 1700709. | 10.0 | 21 |
| 158 | Spectral and spatial characterization of upconversion luminescent nanocrystals as nanowaveguides. <i>Nanoscale</i> , 2017, 9, 9238-9245. | 5.6 | 13 |
| 159 | Iron Oxide Nanoparticle-Powered Micro-Optical Coherence Tomography for in Situ Imaging the Penetration and Swelling of Polymeric Microneedles in the Skin. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20340-20347. | 8.0 | 24 |
| 160 | pH-Triggered and Enhanced Simultaneous Photodynamic and Photothermal Therapy Guided by Photoacoustic and Photothermal Imaging. <i>Chemistry of Materials</i> , 2017, 29, 5216-5224. | 6.7 | 170 |
| 161 | Identification of a novel cytoplasmic male sterile line M2BS induced by partial-length HcPDIL5-2a transformation in rice (<i>Oryza sativa</i> L.). <i>Journal of Plant Biology</i> , 2017, 60, 146-153. | 2.1 | 5 |
| 162 | Addressing Toxicity of Lead: Progress and Applications of Low-Toxic Metal Halide Perovskites and Their Derivatives. <i>Advanced Energy Materials</i> , 2017, 7, 1602512. | 19.5 | 290 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 163 | Growth of Single-Crystalline Cadmium Iodide Nanoplates, CdI ₂ /MoS ₂ (WS ₂ , WSe ₂) van der Waals Heterostructures, and Patterned Arrays. ACS Nano, 2017, 11, 3413-3419. | 14.6 | 59 |
| 164 | Achievement of significantly improved lithium storage for novel clew-like Li ₄ Ti ₅ O ₁₂ anode assembled by ultrafine nanowires. Journal of Power Sources, 2017, 350, 49-55. | 7.8 | 24 |
| 165 | Precisely Aligned Monolayer MoS ₂ Epitaxially Grown on hBN basal Plane. Small, 2017, 13, 1603005. | 10.0 | 91 |
| 166 | Small-molecule diketopyrrolopyrrole-based therapeutic nanoparticles for photoacoustic imaging-guided photothermal therapy. Nano Research, 2017, 10, 794-801. | 10.4 | 50 |
| 167 | Molecular-Level Design of Hierarchically Porous Carbons Codoped with Nitrogen and Phosphorus Capable of In Situ Self-Activation for Sustainable Energy Systems. Small, 2017, 13, 1602010. | 10.0 | 47 |
| 168 | RNA Binding Protein Ybx2 Regulates RNA Stability During Cold-Induced Brown Fat Activation. Diabetes, 2017, 66, 2987-3000. | 0.6 | 30 |
| 169 | Tuning Enhancement Efficiency of Multiple Emissive Centers in Graphene Quantum Dots by Core-Shell Plasmonic Nanoparticles. Journal of Physical Chemistry Letters, 2017, 8, 5673-5679. | 4.6 | 10 |
| 170 | Transdermal Delivery of Anti-Obesity Compounds to Subcutaneous Adipose Tissue with Polymeric Microneedle Patches. Small Methods, 2017, 1, 1700269. | 8.6 | 88 |
| 171 | Diketopyrrolopyrrole-Based Photosensitizers Conjugated with Chemotherapeutic Agents for Multimodal Tumor Therapy. ACS Applied Materials & Interfaces, 2017, 9, 30398-30405. | 8.0 | 39 |
| 172 | Regulating Near-Infrared Photodynamic Properties of Semiconducting Polymer Nanotheranostics for Optimized Cancer Therapy. ACS Nano, 2017, 11, 8998-9009. | 14.6 | 239 |
| 173 | Graphene-Contacted Ultrashort Channel Monolayer MoS ₂ Transistors. Advanced Materials, 2017, 29, 1702522. | 21.0 | 218 |
| 174 | Tailoring the photon spin via light-matter interaction in liquid-crystal-based twisting structures. Npj Quantum Materials, 2017, 2, . | 5.2 | 7 |
| 175 | A Swellable Microneedle Patch to Rapidly Extract Skin Interstitial Fluid for Timely Metabolic Analysis. Advanced Materials, 2017, 29, 1702243. | 21.0 | 303 |
| 176 | Synthesis of 2D Layered BiI ₃ Nanoplates, BiI ₃ /WSe ₂ van der Waals Heterostructures and Their Electronic, Optoelectronic Properties. Small, 2017, 13, 1701034. | 10.0 | 59 |
| 177 | Robust epitaxial growth of two-dimensional heterostructures, multiheterostructures, and superlattices. Science, 2017, 357, 788-792. | 12.6 | 518 |
| 178 | The synergistic effect supported Li ₄ Ti ₅ O ₁₂ anode with advanced lithium storage performance. Materials Chemistry and Physics, 2017, 201, 362-371. | 4.0 | 2 |
| 179 | Integrative analyses of translome and transcriptome reveal important translational controls in brown and white adipose regulated by microRNAs. Scientific Reports, 2017, 7, 5681. | 3.3 | 10 |
| 180 | Surface Modified Ti ₃ C ₂ MXene Nanosheets for Tumor Targeting Photothermal/Photodynamic/Chemo Synergistic Therapy. ACS Applied Materials & Interfaces, 2017, 9, 40077-40086. | 8.0 | 491 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 181 | Generation of strong cylindrical vector pulses via stimulated Brillouin amplification. Applied Physics Letters, 2017, 110, . | 3.3 | 16 |
| 182 | Ultralong Phosphorescence of Water-Soluble Organic Nanoparticles for In Vivo Afterglow Imaging. Advanced Materials, 2017, 29, 1606665. | 21.0 | 419 |
| 183 | Thiophene-derived polymer dots for imaging endocytic compartments in live cells and broad-spectrum bacterial killing. Materials Chemistry Frontiers, 2017, 1, 152-157. | 5.9 | 11 |
| 184 | Modulating PL and electronic structures of MoS ₂ /graphene heterostructures via interlayer twisting angle. Applied Physics Letters, 2017, 111, . | 3.3 | 41 |
| 185 | Multiple generations of high-order orbital angular momentum modes through cascaded third-harmonic generation in a 2D nonlinear photonic crystal. Optics Express, 2017, 25, 11556. | 3.4 | 13 |
| 186 | Terahertz vortex beam generator based on a photopatterned large birefringence liquid crystal. Optics Express, 2017, 25, 12349. | 3.4 | 79 |
| 187 | Helicity-dependent forked vortex lens based on photo-patterned liquid crystals. Optics Express, 2017, 25, 14059. | 3.4 | 20 |
| 188 | Generating, Separating and Polarizing Terahertz Vortex Beams via Liquid Crystals with Gradient-Rotation Directors. Crystals, 2017, 7, 314. | 2.2 | 16 |
| 189 | Vortex-controlled morphology conversion of microstructures on silicon induced by femtosecond vector vortex beams. Applied Physics Letters, 2017, 111, . | 3.3 | 44 |
| 190 | Examining second-harmonic generation of high-order Laguerre-Gaussian modes through a single cylindrical lens. Optics Letters, 2017, 42, 4387. | 3.3 | 22 |
| 191 | Dynamic transcriptome changes during adipose tissue energy expenditure reveal critical roles for long noncoding RNA regulators. PLoS Biology, 2017, 15, e2002176. | 5.6 | 81 |
| 192 | Generations of multiple orbital angular momentum modes in 2D nonlinear photonic crystal. , 2017, , . | | 0 |
| 193 | The Effect of Twin Grain Boundary Tuned by Temperature on the Electrical Transport Properties of Monolayer MoS ₂ . Crystals, 2016, 6, 115. | 2.2 | 18 |
| 194 | Integrated and reconfigurable optical paths based on stacking optical functional films. Optics Express, 2016, 24, 25510. | 3.4 | 15 |
| 195 | Liquid crystal depolarizer based on photoalignment technology. Photonics Research, 2016, 4, 70. | 7.0 | 26 |
| 196 | Rolling Up a Monolayer MoS ₂ Sheet. Small, 2016, 12, 3770-3774. | 10.0 | 60 |
| 197 | Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. Advanced Electronic Materials, 2016, 2, 1600102. | 5.1 | 47 |
| 198 | Recent advances in low-toxic lead-free metal halide perovskite materials for solar cell application. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 392-398. | 1.5 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 199 | Controlling armchair and zigzag edges in oxidative cutting of graphene. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6539-6545. | 5.5 | 8 |
| 200 | High-quality graphene grown on polycrystalline PtRh20 alloy foils by low pressure chemical vapor deposition and its electrical transport properties. <i>Applied Physics Letters</i> , 2016, 108, . | 3.3 | 3 |
| 201 | Polydopamine-Enabled Approach toward Tailored Plasmonic Nanogapped Nanoparticles: From Nanogap Engineering to Multifunctionality. <i>ACS Nano</i> , 2016, 10, 11066-11075. | 14.6 | 109 |
| 202 | Monitoring Dynamic Cellular Redox Homeostasis Using Fluorescence-Switchable Graphene Quantum Dots. <i>ACS Nano</i> , 2016, 10, 11475-11482. | 14.6 | 71 |
| 203 | Graphene nanoribbons epitaxy on boron nitride. <i>Applied Physics Letters</i> , 2016, 108, . | 3.3 | 21 |
| 204 | Patterning monolayer graphene with zigzag edges on hexagonal boron nitride by anisotropic etching. <i>Applied Physics Letters</i> , 2016, 109, . | 3.3 | 20 |
| 205 | Generation of self-healing and transverse accelerating optical vortices. <i>Applied Physics Letters</i> , 2016, 109, . | 3.3 | 23 |
| 206 | Nanowires assembled from MnCo2O4@C nanoparticles for water splitting and all-solid-state supercapacitor. <i>Nano Research</i> , 2016, 9, 1300-1309. | 10.4 | 87 |
| 207 | Multilayered semiconducting polymer nanoparticles with enhanced NIR fluorescence for molecular imaging in cells, zebrafish and mice. <i>Chemical Science</i> , 2016, 7, 5118-5125. | 7.4 | 113 |
| 208 | Metal-organic framework derived CoSe2 nanoparticles anchored on carbon fibers as bifunctional electrocatalysts for efficient overall water splitting. <i>Nano Research</i> , 2016, 9, 2234-2243. | 10.4 | 215 |
| 209 | Generation of Equal-Energy Orbital Angular Momentum Beams via Photopatterned Liquid Crystals. <i>Physical Review Applied</i> , 2016, 5, . | 3.8 | 55 |
| 210 | Thermally Induced Graphene Rotation on Hexagonal Boron Nitride. <i>Physical Review Letters</i> , 2016, 116, 126101. | 7.8 | 142 |
| 211 | Meta-q-plate for complex beam shaping. <i>Scientific Reports</i> , 2016, 6, 25528. | 3.3 | 86 |
| 212 | Observation of Strong Interlayer Coupling in MoS ₂ /WS ₂ Heterostructures. <i>Advanced Materials</i> , 2016, 28, 1950-1956. | 21.0 | 225 |
| 213 | Beam shaping via photopatterned liquid crystals. <i>Liquid Crystals</i> , 2016, 43, 2051-2061. | 2.2 | 42 |
| 214 | Fast-response and high-efficiency optical switch based on dual-frequency liquid crystal polarization grating. <i>Optical Materials Express</i> , 2016, 6, 597. | 3.0 | 38 |
| 215 | Gate tunable WSe ₂ BP van der Waals heterojunction devices. <i>Nanoscale</i> , 2016, 8, 3254-3258. | 5.6 | 60 |
| 216 | Achieving stable and efficient water oxidation by incorporating NiFe layered double hydroxide nanoparticles into aligned carbon nanotubes. <i>Nanoscale Horizons</i> , 2016, 1, 156-160. | 8.0 | 99 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 217 | Optical array generator based on blue phase liquid crystal Dammann grating. <i>Optical Materials Express</i> , 2016, 6, 1087. | 3.0 | 30 |
| 218 | Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. <i>ACS Nano</i> , 2016, 10, 3622-3629. | 14.6 | 145 |
| 219 | Quantum dots derived from two-dimensional materials and their applications for catalysis and energy. <i>Chemical Society Reviews</i> , 2016, 45, 2239-2262. | 38.1 | 391 |
| 220 | Regulatory networks of non-coding RNAs in brown/beige adipogenesis. <i>Bioscience Reports</i> , 2015, 35, . | 2.4 | 28 |
| 221 | Polarization-controllable Airy beams generated via a photoaligned director-variant liquid crystal mask. <i>Scientific Reports</i> , 2015, 5, 17484. | 3.3 | 55 |
| 222 | Generation of arbitrary vector beams with liquid crystal polarization converters and vector-photoaligned q-plates. <i>Applied Physics Letters</i> , 2015, 107, . | 3.3 | 100 |
| 223 | A Novel Electroactive Polymer for pH-Independent Oxygen Sensing. <i>Electroanalysis</i> , 2015, 27, 2745-2752. | 2.9 | 3 |
| 224 | Broadband tunable liquid crystal terahertz waveplates driven with porous graphene electrodes. <i>Light: Science and Applications</i> , 2015, 4, e253-e253. | 16.6 | 148 |
| 225 | Graphene quantum dots functionalized gold nanoparticles for sensitive electrochemical detection of heavy metal ions. <i>Electrochimica Acta</i> , 2015, 172, 7-11. | 5.2 | 200 |
| 226 | Microfiber devices based on carbon materials. <i>Materials Today</i> , 2015, 18, 215-226. | 14.2 | 57 |
| 227 | Hybrid Fibers Made of Molybdenum Disulfide, Reduced Graphene Oxide, and Multi-Walled Carbon Nanotubes for Solid-State, Flexible, Asymmetric Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4651-4656. | 13.8 | 334 |
| 228 | MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8483-8488. | 10.3 | 178 |
| 229 | Gate tunable MoS ₂ "black phosphorus heterojunction devices. <i>2D Materials</i> , 2015, 2, 034009. | 4.4 | 61 |
| 230 | De Novo Reconstruction of Adipose Tissue Transcriptomes Reveals Long Non-coding RNA Regulators of Brown Adipocyte Development. <i>Cell Metabolism</i> , 2015, 21, 764-776. | 16.2 | 201 |
| 231 | Nitrogen and phosphorus co-doped graphene quantum dots: synthesis from adenosine triphosphate, optical properties, and cellular imaging. <i>Nanoscale</i> , 2015, 7, 8159-8165. | 5.6 | 174 |
| 232 | Apelin Enhances Brown Adipogenesis and Browning of White Adipocytes. <i>Journal of Biological Chemistry</i> , 2015, 290, 14679-14691. | 3.4 | 87 |
| 233 | Graphene-bacteria composite for oxygen reduction and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12873-12879. | 10.3 | 30 |
| 234 | Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , 2015, 10, 213-239. | 11.9 | 356 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 235 | Graphene quantum dots for ultrasensitive detection of acetylcholinesterase and its inhibitors. 2D Materials, 2015, 2, 034018. | 4.4 | 33 |
| 236 | Arbitrary and reconfigurable optical vortex generation: a high-efficiency technique using director-varying liquid crystal fork gratings. Photonics Research, 2015, 3, 133. | 7.0 | 106 |
| 237 | Glowing Graphene Quantum Dots and Carbon Dots: Properties, Syntheses, and Biological Applications. Small, 2015, 11, 1620-1636. | 10.0 | 1,770 |
| 238 | Layer-by-layer printing of laminated graphene-based interdigitated microelectrodes for flexible planar micro-supercapacitors. Electrochemistry Communications, 2015, 51, 33-36. | 4.7 | 169 |
| 239 | Comparative Proteomics Study on Anther Mitochondria between Cytoplasmic Male Sterility Line and its Maintainer in Kenaf (Hibiscus cannabinus L.). Crop Science, 2014, 54, 1103-1114. | 1.8 | 3 |
| 240 | Defect-enhanced coupling between graphene and SiO ₂ substrate. Applied Physics Letters, 2014, 105, 063113. | 3.3 | 4 |
| 241 | An Interwoven Network of MnO ₂ Nanowires and Carbon Nanotubes as the Anode for Bendable Lithium-Ion Batteries. ChemPhysChem, 2014, 15, 2445-2449. | 2.1 | 22 |
| 242 | Transcriptome de novo assembly and differentially expressed genes related to cytoplasmic male sterility in kenaf (Hibiscus cannabinus L.). Molecular Breeding, 2014, 34, 1879-1891. | 2.1 | 33 |
| 243 | Facile Synthesis of Graphene Quantum Dots from 3D Graphene and their Application for Fe ³⁺ Sensing. Advanced Functional Materials, 2014, 24, 3021-3026. | 14.9 | 446 |
| 244 | A General Route Towards Defect and Pore Engineering in Graphene. Small, 2014, 10, 2280-2284. | 10.0 | 46 |
| 245 | Apelin Attenuates Oxidative Stress in Human Adipocytes. Journal of Biological Chemistry, 2014, 289, 3763-3774. | 3.4 | 92 |
| 246 | Free-standing electrochemical electrode based on Ni(OH) ₂ /3D graphene foam for nonenzymatic glucose detection. Nanoscale, 2014, 6, 7424-7429. | 5.6 | 174 |
| 247 | Fluorescent quantum dots derived from PEDOT and their applications in optical imaging and sensing. Materials Horizons, 2014, 1, 529-534. | 12.2 | 30 |
| 248 | Three-Dimensional Graphene-Carbon Nanotube Hybrid for High-Performance Enzymatic Biofuel Cells. ACS Applied Materials & Interfaces, 2014, 6, 3387-3393. | 8.0 | 136 |
| 249 | Strain sensors based on chromium nanoparticle arrays. Nanoscale, 2014, 6, 3930-3933. | 5.6 | 83 |
| 250 | Fabrication of Ultralong Hybrid Microfibers from Nanosheets of Reduced Graphene Oxide and Transition-Metal Dichalcogenides and their Application as Supercapacitors. Angewandte Chemie - International Edition, 2014, 53, 12576-12580. | 13.8 | 119 |
| 251 | Heteroatom-doped graphene materials: syntheses, properties and applications. Chemical Society Reviews, 2014, 43, 7067-7098. | 38.1 | 1,547 |
| 252 | Revealing the tunable photoluminescence properties of graphene quantum dots. Journal of Materials Chemistry C, 2014, 2, 6954-6960. | 5.5 | 530 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 253 | Fabrication of high-quality all-graphene devices with low contact resistances. <i>Nano Research</i> , 2014, 7, 1449-1456. | 10.4 | 20 |
| 254 | Fluorescence quenching between unbonded graphene quantum dots and gold nanoparticles upon simple mixing. <i>RSC Advances</i> , 2014, 4, 35673-35677. | 3.6 | 31 |
| 255 | Four-layer Tin-Carbon Nanotube Yolk-Shell Materials for High-Performance Lithium-Ion Batteries. <i>ChemSusChem</i> , 2014, 7, 1407-1414. | 6.8 | 30 |
| 256 | Solution-processed flexible transparent conductors based on carbon nanotubes and silver grid hybrid films. <i>Nanoscale</i> , 2014, 6, 4560-4565. | 5.6 | 22 |
| 257 | TiN@VN Nanowire Arrays on 3D Carbon for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2014, 1, 1027-1030. | 3.4 | 22 |
| 258 | A Route toward Digital Manipulation of Water Nanodroplets on Surfaces. <i>ACS Nano</i> , 2014, 8, 3955-3960. | 14.6 | 35 |
| 259 | Band-Gap Manipulations of Monolayer Graphene by Phenyl Radical Adsorptions: A Density Functional Theory Study. <i>ChemPhysChem</i> , 2014, 15, 2610-2617. | 2.1 | 0 |
| 260 | Phase-controlled synthesis of NiS nanoparticles confined in carbon nanorods for High Performance Supercapacitors. <i>Scientific Reports</i> , 2014, 4, 7054. | 3.3 | 101 |
| 261 | Tunable Electroluminescence in Planar Graphene/ SiO_2 Memristors. <i>Advanced Materials</i> , 2013, 25, 5593-5598. | 21.0 | 67 |
| 262 | A comparative study of the <i>atp9</i> gene between a cytoplasmic male sterile line and its maintainer line and further development of a molecular marker specific for male sterile cytoplasm in kenaf (<i>Hibiscus</i>) Tj ETQq0 0 0 2gBT /Overlback 10 Tf | | |
| 263 | 2D single- or double-layered vanadium oxide nanosheet assembled 3D microflowers: controlled synthesis, growth mechanism, and applications. <i>Nanoscale</i> , 2013, 5, 7790. | 5.6 | 27 |
| 264 | Solid-Phase Colorimetric Sensor Based on Gold Nanoparticle-Loaded Polymer Brushes: Lead Detection as a Case Study. <i>Analytical Chemistry</i> , 2013, 85, 4094-4099. | 6.5 | 84 |
| 265 | Gold nanoparticles decorated reduced graphene oxide for detecting the presence and cellular release of nitric oxide. <i>Electrochimica Acta</i> , 2013, 111, 441-446. | 5.2 | 69 |
| 266 | Carbon-based spintronics. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 207-221. | 5.1 | 20 |
| 267 | Fabrication of all-in-one multifunctional phage liquid crystalline fibers. <i>RSC Advances</i> , 2013, 3, 20437. | 3.6 | 1 |
| 268 | Control of Adipogenesis by the Autocrine Interplays between Angiotensin $\text{1}\alpha\text{7}$ /Mas Receptor and Angiotensin II/AT1 Receptor Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2013, 288, 15520-15531. | 3.4 | 57 |
| 269 | Gallium-Doped Tin Oxide Nano-Cuboids for Improved Dye Sensitized Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11377-11382. | 8.0 | 33 |
| 270 | In Situ Charge-Transfer-Induced Transition from Metallic to Semiconducting Single-Walled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2013, 25, 4464-4470. | 6.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 271 | Interconnected Tin Disulfide Nanosheets Grown on Graphene for Li-Ion Storage and Photocatalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12073-12082. | 8.0 | 135 |
| 272 | Increase of riboflavin biosynthesis underlies enhancement of extracellular electron transfer of <i>Shewanella</i> in alkaline microbial fuel cells. <i>Bioresource Technology</i> , 2013, 130, 763-768. | 9.6 | 86 |
| 273 | Nanoporous tin oxide photoelectrode prepared by electrochemical anodization in aqueous ammonia to improve performance of dye sensitized solar cell. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, 023120. | 2.0 | 21 |
| 274 | Microwave-assisted solvothermal synthesis of 3D carnation-like SnS ₂ nanostructures with high visible light photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 285-292. | 4.8 | 82 |
| 275 | High capacitive performance of flexible and binder-free graphene/polypyrrole composite membrane based on in situ reduction of graphene oxide and self-assembly. <i>Nanoscale</i> , 2013, 5, 9860. | 5.6 | 93 |
| 276 | High-strength carbon nanotube buckypaper composites as applied to free-standing electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4057. | 10.3 | 83 |
| 277 | Graphene wrapped SnCo nanoparticles for high-capacity lithium ion storage. <i>Journal of Power Sources</i> , 2013, 222, 526-532. | 7.8 | 73 |
| 278 | Ferritin-Templated Synthesis and Self-Assembly of Pt Nanoparticles on a Monolithic Porous Graphene Network for Electrocatalysis in Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 782-787. | 8.0 | 96 |
| 279 | Colorimetric surface plasmon resonance imaging (SPRI) biosensor array based on polarization orientation. <i>Biosensors and Bioelectronics</i> , 2013, 47, 545-552. | 10.1 | 21 |
| 280 | A hierarchically structured composite of Mn ₃ O ₄ /3D graphene foam for flexible nonenzymatic biosensors. <i>Journal of Materials Chemistry B</i> , 2013, 1, 110-115. | 5.8 | 137 |
| 281 | Enzymeless multi-sugar fuel cells with high power output based on 3D graphene/Co ₃ O ₄ hybrid electrodes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9170. | 2.8 | 42 |
| 282 | Electrodeposition of hierarchical MnO ₂ spheres for enzyme immobilization and glucose biosensing. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2696. | 5.8 | 30 |
| 283 | Non-enzymatic detection of hydrogen peroxide using a functionalized three-dimensional graphene electrode. <i>Electrochemistry Communications</i> , 2013, 26, 81-84. | 4.7 | 109 |
| 284 | Graphene Quantum Dots as Universal Fluorophores and Their Use in Revealing Regulated Trafficking of Insulin Receptors in Adipocytes. <i>ACS Nano</i> , 2013, 7, 6278-6286. | 14.6 | 229 |
| 285 | The Electrical Detection of Lead Ions Using Gold Nanoparticle and DNAzyme Functionalized Graphene Device. <i>Advanced Healthcare Materials</i> , 2013, 2, 271-274. | 7.6 | 73 |
| 286 | Kainate Receptors Mediate Regulated Exocytosis of Secretory Phospholipase A2 in SH-SY5Y Neuroblastoma Cells. <i>NeuroSignals</i> , 2012, 20, 72-85. | 0.9 | 9 |
| 287 | RGD-Peptide Functionalized Graphene Biomimetic Live-Cell Sensor for Real-Time Detection of Nitric Oxide Molecules. <i>ACS Nano</i> , 2012, 6, 6944-6951. | 14.6 | 172 |
| 288 | Synthesis of a MnO ₂ /graphene foam hybrid with controlled MnO ₂ particle shape and its use as a supercapacitor electrode. <i>Carbon</i> , 2012, 50, 4865-4870. | 10.3 | 214 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 289 | 3D Graphene Foam as a Monolithic and Macroporous Carbon Electrode for Electrochemical Sensing. ACS Applied Materials & Interfaces, 2012, 4, 3129-3133. | 8.0 | 292 |
| 290 | Hybrid structure of zinc oxide nanorods and three dimensional graphene foam for supercapacitor and electrochemical sensor applications. RSC Advances, 2012, 2, 4364. | 3.6 | 285 |
| 291 | Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. Nanoscale, 2012, 4, 293-297. | 5.6 | 185 |
| 292 | Synthesis of graphene-carbon nanotube hybrid foam and its use as a novel three-dimensional electrode for electrochemical sensing. Journal of Materials Chemistry, 2012, 22, 17044. | 6.7 | 197 |
| 293 | 3D Graphene-Cobalt Oxide Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. ACS Nano, 2012, 6, 3206-3213. | 14.6 | 1,510 |
| 294 | Macroporous and Monolithic Anode Based on Polyaniline Hybridized Three-Dimensional Graphene for High-Performance Microbial Fuel Cells. ACS Nano, 2012, 6, 2394-2400. | 14.6 | 520 |
| 295 | Superhydrophobic and superoleophilic hybrid foam of graphene and carbon nanotube for selective removal of oils or organic solvents from the surface of water. Chemical Communications, 2012, 48, 10660. | 4.1 | 471 |
| 296 | Macroporous foam of reduced graphene oxides prepared by lyophilization. Materials Research Bulletin, 2012, 47, 4335-4339. | 5.2 | 18 |
| 297 | Apelin inhibits adipogenesis and lipolysis through distinct molecular pathways. Molecular and Cellular Endocrinology, 2012, 362, 227-241. | 3.2 | 89 |
| 298 | Electrodeposited Pt on three-dimensional interconnected graphene as a free-standing electrode for fuel cell application. Journal of Materials Chemistry, 2012, 22, 5286. | 6.7 | 210 |
| 299 | Anticancer Efficacy and Subcellular Site of Action Investigated by Real-time Monitoring of Cellular Responses to Localized Drug Delivery in Single Cells. Small, 2012, 8, 2670-2674. | 10.0 | 17 |
| 300 | Biological and chemical sensors based on graphene materials. Chemical Society Reviews, 2012, 41, 2283-2307. | 38.1 | 1,591 |
| 301 | A graphene-cobalt oxide based needle electrode for non-enzymatic glucose detection in micro-droplets. Chemical Communications, 2012, 48, 6490. | 4.1 | 155 |
| 302 | Template-free synthesis of large anisotropic gold nanostructures on reduced graphene oxide. Nanoscale, 2012, 4, 3055. | 5.6 | 28 |
| 303 | On-chip diameter-dependent conversion of metallic to semiconducting single-walled carbon nanotubes by immersion in 2-ethylantraquinone. RSC Advances, 2012, 2, 1275-1281. | 3.6 | 5 |
| 304 | The electrical properties of graphene modified by bromophenyl groups derived from a diazonium compound. Carbon, 2012, 50, 1517-1522. | 10.3 | 45 |
| 305 | Supercapacitor electrode based on three-dimensional graphene-polyaniline hybrid. Materials Chemistry and Physics, 2012, 134, 576-580. | 4.0 | 125 |
| 306 | Apelin secretion and expression of apelin receptors in 3T3-L1 adipocytes are differentially regulated by angiotensin type 1 and type 2 receptors. Molecular and Cellular Endocrinology, 2012, 351, 296-305. | 3.2 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 307 | In Situ Synthesis of Reduced Graphene Oxide and Gold Nanocomposites for Nanoelectronics and Biosensing. <i>Nanoscale Research Letters</i> , 2011, 6, 60. | 5.7 | 93 |
| 308 | Graphene-wrapped TiO ₂ hollow structures with enhanced lithium storage capabilities. <i>Nanoscale</i> , 2011, 3, 2158. | 5.6 | 223 |
| 309 | Fabrication and Characterization of Networked Graphene Devices Based on Ultralarge Single-Layer Graphene Sheets. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 467-471. | 2.0 | 4 |
| 310 | Micro- and Nanotechnologies for Study of Cell Secretion. <i>Analytical Chemistry</i> , 2011, 83, 4393-4406. | 6.5 | 72 |
| 311 | Fabrication of transparent and conductive carbon nanotube/polyvinyl butyral films by a facile solution surface dip coating method. <i>Nanoscale</i> , 2011, 3, 2469. | 5.6 | 14 |
| 312 | Mobility Enhancement in Carbon Nanotube Transistors by Screening Charge Impurity with Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6975-6979. | 3.1 | 15 |
| 313 | Ultra-sensitive and wide-dynamic-range sensors based on dense arrays of carbon nanotube tips. <i>Nanoscale</i> , 2011, 3, 4854. | 5.6 | 34 |
| 314 | Electrical Detection of Metal Ions Using Field-Effect Transistors Based on Micropatterned Reduced Graphene Oxide Films. <i>ACS Nano</i> , 2011, 5, 1990-1994. | 14.6 | 279 |
| 315 | Carbon nanotubes grown in situ on graphene nanosheets as superior anodes for Li-ion batteries. <i>Nanoscale</i> , 2011, 3, 4323. | 5.6 | 119 |
| 316 | Quantum Dots with Phenylboronic Acid Tags for Specific Labeling of Sialic Acids on Living Cells. <i>Analytical Chemistry</i> , 2011, 83, 1124-1130. | 6.5 | 128 |
| 317 | The crosstalks between adipokines and catecholamines. <i>Molecular and Cellular Endocrinology</i> , 2011, 332, 261-270. | 3.2 | 21 |
| 318 | Transparent, Flexible, All-Reduced Graphene Oxide Thin Film Transistors. <i>ACS Nano</i> , 2011, 5, 5038-5044. | 14.6 | 305 |
| 319 | Graphene-based biosensors for detection of bacteria and their metabolic activities. <i>Journal of Materials Chemistry</i> , 2011, 21, 12358. | 6.7 | 343 |
| 320 | Fabrication and characterization of recyclable carbon nanotube/polyvinyl butyral composite fiber. <i>Composites Science and Technology</i> , 2011, 71, 1665-1670. | 7.8 | 26 |
| 321 | The formation of a carbon nanotube-graphene oxide core-shell structure and its possible applications. <i>Carbon</i> , 2011, 49, 5071-5078. | 10.3 | 130 |
| 322 | A graphene nanoribbon network and its biosensing application. <i>Nanoscale</i> , 2011, 3, 5156. | 5.6 | 81 |
| 323 | Nanoelectronic detection of triggered secretion of pro-inflammatory cytokines using CMOS compatible silicon nanowires. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2746-2750. | 10.1 | 52 |
| 324 | Label-free, electrochemical detection of methicillin-resistant staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3881-3886. | 10.1 | 191 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 325 | Labeling and Tracking P2 Purinergic Receptors in Living Cells Using ATP-Conjugated Quantum Dots. <i>Advanced Functional Materials</i> , 2011, 21, 2776-2780. | 14.9 | 11 |
| 326 | Detecting metabolic activities of bacteria using a simple carbon nanotube device for high-throughput screening of anti-bacterial drugs. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4257-4261. | 10.1 | 23 |
| 327 | Growth of large-sized graphene thin-films by liquid precursor-based chemical vapor deposition under atmospheric pressure. <i>Carbon</i> , 2011, 49, 3672-3678. | 10.3 | 158 |
| 328 | One-step growth of graphene-carbon nanotube hybrid materials by chemical vapor deposition. <i>Carbon</i> , 2011, 49, 2944-2949. | 10.3 | 182 |
| 329 | Differential effects of lysophospholipids on exocytosis in rat PC12 cells. <i>Journal of Neural Transmission</i> , 2010, 117, 301-308. | 2.8 | 19 |
| 330 | Changes in Brain Cholesterol Metabolome After Excitotoxicity. <i>Molecular Neurobiology</i> , 2010, 41, 299-313. | 4.0 | 54 |
| 331 | Cloning and characterization of novel low molecular weight glutenin subunit genes from two <i>Aegilops</i> species with the C and D genomes. <i>Genetic Resources and Crop Evolution</i> , 2010, 57, 881-890. | 1.6 | 4 |
| 332 | Electrical Detection of DNA Hybridization with Single-Base Specificity Using Transistors Based on CVD-Grown Graphene Sheets. <i>Advanced Materials</i> , 2010, 22, 1649-1653. | 21.0 | 516 |
| 333 | Nanoelectronic Biosensing of Dynamic Cellular Activities Based on Nanostructured Materials. <i>Advanced Materials</i> , 2010, 22, 2818-2823. | 21.0 | 42 |
| 334 | Non-invasive Detection of Cellular Bioelectricity Based on Carbon Nanotube Devices for High-Throughput Drug Screening. <i>Advanced Materials</i> , 2010, 22, 3199-3203. | 21.0 | 26 |
| 335 | Sugar-Based Synthesis of Tamiflu and Its Inhibitory Effects on Cell Secretion. <i>Chemistry - A European Journal</i> , 2010, 16, 4533-4540. | 3.3 | 48 |
| 336 | Graphene supported Sn-Sb@carbon core-shell particles as a superior anode for lithium ion batteries. <i>Electrochemistry Communications</i> , 2010, 12, 1302-1306. | 4.7 | 132 |
| 337 | Integrating carbon nanotubes and lipid bilayer for biosensing. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1834-1837. | 10.1 | 46 |
| 338 | Vesicular storage, vesicle trafficking, and secretion of leptin and resistin: the similarities, differences, and interplays. <i>Journal of Endocrinology</i> , 2010, 206, 27-36. | 2.6 | 38 |
| 339 | Dynamic quantitative photothermal monitoring of cell death of individual human red blood cells upon glucose depletion. <i>Journal of Biomedical Optics</i> , 2010, 15, 057001. | 2.6 | 7 |
| 340 | Aromatic Molecules Doping in Single-Layer Graphene Probed by Raman Spectroscopy and Electrostatic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 01AH04. | 1.5 | 10 |
| 341 | Bidirectional mediation of TiO ₂ nanowires field effect transistor by dipole moment from purple membrane. <i>Nanoscale</i> , 2010, 2, 1474. | 5.6 | 15 |
| 342 | Carbohydrate functionalized carbon nanotubes and their applications. <i>Chemical Society Reviews</i> , 2010, 39, 2925. | 38.1 | 87 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 343 | Ultra-large single-layer graphene obtained from solution chemical reduction and its electrical properties. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2164. | 2.8 | 176 |
| 344 | Effects of cholesterol oxidation products on exocytosis. <i>Neuroscience Letters</i> , 2010, 476, 36-41. | 2.1 | 32 |
| 345 | Centimeter-Long and Large-Scale Micropatterns of Reduced Graphene Oxide Films: Fabrication and Sensing Applications. <i>ACS Nano</i> , 2010, 4, 3201-3208. | 14.6 | 571 |
| 346 | Nanoelectronic biosensors based on CVD grown graphene. <i>Nanoscale</i> , 2010, 2, 1485. | 5.6 | 408 |
| 347 | Interfacing Live Cells with Nanocarbon Substrates. <i>Langmuir</i> , 2010, 26, 2244-2247. | 3.5 | 301 |
| 348 | Surface immobilized cholera toxin B subunit (CTB) facilitates vesicle docking, trafficking and exocytosis. <i>Integrative Biology (United Kingdom)</i> , 2010, 2, 250. | 1.3 | 12 |
| 349 | CMOS-compatible Nanowire Sensor Arrays for Detection of Cellular Bioelectricity. <i>Small</i> , 2009, 5, 208-212. | 10.0 | 98 |
| 350 | Effective doping of single-layer graphene from underlying SiO_2 . <i>Physical Review B</i> , 2009, 79, . | 3.2 | 173 |
| 351 | Nanotopographic Carbon Nanotube Thin-Film Substrate Freezes Lateral Motion of Secretory Vesicles. <i>Advanced Materials</i> , 2009, 21, 790-793. | 21.0 | 24 |
| 352 | Interfacing Glycosylated Carbon Nanotube Network Devices with Living Cells to Detect Dynamic Secretion of Biomolecules. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2723-2726. | 13.8 | 148 |
| 353 | PKC epsilon facilitates recovery of exocytosis after an exhausting stimulation. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 458, 1137-1149. | 2.8 | 10 |
| 354 | Label-free detection of ATP release from living astrocytes with high temporal resolution using carbon nanotube network. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2716-2720. | 10.1 | 62 |
| 355 | Simultaneous Fabrication of Very High Aspect Ratio Positive Nano- to Milliscale Structures. <i>Small</i> , 2009, 5, 1043-1050. | 10.0 | 4 |
| 356 | Doping Single-Layer Graphene with Aromatic Molecules. <i>Small</i> , 2009, 5, 1422-1426. | 10.0 | 537 |
| 357 | Using oxidation to increase the electrical conductivity of carbon nanotube electrodes. <i>Carbon</i> , 2009, 47, 1867-1870. | 10.3 | 152 |
| 358 | Involvement of PKC δ in PMA-induced facilitation of exocytosis and vesicle fusion in PC12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 371-376. | 2.1 | 21 |
| 359 | Roles of Cholesterol in Vesicle Fusion and Motion. <i>Biophysical Journal</i> , 2009, 97, 1371-1380. | 0.5 | 91 |
| 360 | Ultra-sensitive detection of adipocytokines with CMOS-compatible silicon nanowire arrays. <i>Nanoscale</i> , 2009, 1, 159. | 5.6 | 54 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 361 | Symmetry Breaking of Graphene Monolayers by Molecular Decoration. <i>Physical Review Letters</i> , 2009, 102, 135501. | 7.8 | 224 |
| 362 | In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10842-10846. | 3.1 | 702 |
| 363 | One-Pot Synthesis of Carbon-Coated SnO ₂ Nanocolloids with Improved Reversible Lithium Storage Properties. <i>Chemistry of Materials</i> , 2009, 21, 2868-2874. | 6.7 | 421 |
| 364 | Solution-processable semiconducting thin-film transistors using single-walled carbon nanotubes chemically modified by organic radical initiators. <i>Chemical Communications</i> , 2009, , 7182. | 4.1 | 33 |
| 365 | Effects of phorbol ester on vesicle dynamics as revealed by total internal reflection fluorescence microscopy. <i>Pflügers Archiv European Journal of Physiology</i> , 2008, 457, 211-222. | 2.8 | 17 |
| 366 | Label-Free Electronic Detection of DNA Using Simple Double-Walled Carbon Nanotube Resistors. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9891-9895. | 3.1 | 37 |
| 367 | Assessment of (n,m) Selectively Enriched Small Diameter Single-Walled Carbon Nanotubes by Density Differentiation from Cobalt-Incorporated MCM-41 for Macroelectronics. <i>Chemistry of Materials</i> , 2008, 20, 7417-7424. | 6.7 | 17 |
| 368 | Effects of substrates on photocurrents from photosensitive polymer coated carbon nanotube networks. <i>Applied Physics Letters</i> , 2008, 92, . | 3.3 | 9 |
| 369 | Electrosynthesis and characterization of polypyrrole/Au nanocomposite. <i>Electrochimica Acta</i> , 2007, 52, 2845-2849. | 5.2 | 88 |
| 370 | Nanopore Unstacking of Single-Stranded DNA Helices. <i>Small</i> , 2007, 3, 1204-1208. | 10.0 | 22 |
| 371 | Comparison of biochemical effects of statins and fish oil in brain: The battle of the titans. <i>Brain Research Reviews</i> , 2007, 56, 443-471. | 9.0 | 97 |
| 372 | Differential effects of ceramide species on exocytosis in rat PC12 cells. <i>Experimental Brain Research</i> , 2007, 183, 241-247. | 1.5 | 25 |
| 373 | Probing Single DNA Molecule Transport Using Fabricated Nanopores. <i>Nano Letters</i> , 2004, 4, 2293-2298. | 9.1 | 341 |
| 374 | Atomic Layer Deposition to Fine-Tune the Surface Properties and Diameters of Fabricated Nanopores. <i>Nano Letters</i> , 2004, 4, 1333-1337. | 9.1 | 385 |
| 375 | Amperometric Detection of Quantal Catecholamine Secretion from Individual Cells on Micromachined Silicon Chips. <i>Analytical Chemistry</i> , 2003, 75, 518-524. | 6.5 | 86 |
| 376 | A highly Ca ²⁺ -sensitive pool of vesicles is regulated by protein kinase C in adrenal chromaffin cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 17060-17065. | 7.1 | 83 |
| 377 | Understanding the roles of carbon in carbon/g-C ₃ N ₄ based photocatalysts for H ₂ evolution. <i>Nano Research</i> , 0, , 1. | 10.4 | 9 |