

# Xu-Dong Chen

## List of Publications by Year in descending order

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135  
papers

5,225  
citations

81900

39  
h-index

102487

66  
g-index

138  
all docs

138  
docs citations

138  
times ranked

6822  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Liquid metal coated copper micro-particles to construct core-shell structure and multiple heterojunctions for high-efficiency microwave absorption. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 210-218.   | 9.4  | 39        |
| 2  | Anionic donor-acceptor conjugated polymer dots/g-C <sub>3</sub> N <sub>4</sub> nanosheets heterojunction: High efficiency and excellent stability for co-catalyst-free photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 912-921. | 9.4  | 17        |
| 3  | Aqueous Synthesis of Covalent Organic Frameworks as Photocatalysts for Hydrogen Peroxide Production. <i>CCS Chemistry</i> , 2022, 4, 3751-3761.   | 7.8  | 39        |
| 4  | Double Lock Label Based on Thermosensitive Polymer Hydrogels for Information Camouflage and Multilevel Encryption. <i>Angewandte Chemie</i> , 2022, 134, .  | 2.0  | 9         |
| 5  | Double Lock Label Based on Thermosensitive Polymer Hydrogels for Information Camouflage and Multilevel Encryption. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .   | 13.8 | 56        |
| 6  | Oriented Growth of Thin Films of Covalent Organic Frameworks with Large Single-Crystalline Domains on the Water Surface. <i>Journal of the American Chemical Society</i> , 2022, 144, 3233-3241.  | 13.7 | 38        |
| 7  | Synthesis of Thin Film of a 3D Covalent Organic Framework as Anti-counterfeiting Label. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1171-1176.  | 4.9  | 9         |
| 8  | Unclonable Photonic Crystal Hydrogels with Controllable Encoding Capacity for Anticounterfeiting. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 2369-2380.  | 8.0  | 22        |
| 9  | Controllable construction of crosslinking network for regulating on the mechanical properties of polydimethylsiloxane and polydimethylsiloxane/carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, .  | 2.6  | 11        |
| 10 | Polypyrrole-functionalized g-C <sub>3</sub> N <sub>4</sub> for rheological, combustion and self-healing properties of thermoplastic polyurethane. <i>Journal of Polymer Research</i> , 2022, 29, .  | 2.4  | 5         |
| 11 | Temperature and strain-induced tunable electromagnetic interference shielding in polydimethylsiloxane/multi-walled carbon nanotube composites with temperature-sensitive microspheres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 140, 106188.         | 7.6  | 76        |
| 12 | Construction of Charring-Functional Polyheptanazine towards Improvements in Flame Retardants of Polyurethane. <i>Molecules</i> , 2021, 26, 340.   | 3.8  | 4         |
| 13 | Rigid Polyimides with Thermally Activated Delayed Fluorescence for Polymer Light-Emitting Diodes with High External Quantum Efficiency up to 21%. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7220-7226.   | 13.8 | 34        |
| 14 | Reprintable Chiral Photonic Paper with Invisible Patterns and Tunable Wettability. <i>Advanced Functional Materials</i> , 2021, 31, 2009916.  | 14.9 | 60        |
| 15 | Rigid Polyimides with Thermally Activated Delayed Fluorescence for Polymer Light-Emitting Diodes with High External Quantum Efficiency up to 21%. <i>Angewandte Chemie</i> , 2021, 133, 7296-7302.  | 2.0  | 6         |
| 16 | Background noise analysis and improvement for the water vapor and oxygen transmission rate test of free-standing films. <i>Review of Scientific Instruments</i> , 2021, 92, 025124.   | 1.3  | 0         |
| 17 | Cellulose Nanocrystals as Template for Improving the Crystallinity of Two-Dimensional Covalent Organic Framework Films. <i>Polymers</i> , 2021, 13, 1561.   | 4.5  | 7         |
| 18 | Preparation of Flame-Retardant Polyurethane and Its Applications in the Leather Industry. <i>Polymers</i> , 2021, 13, 1730.   | 4.5  | 26        |

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|----|---|------|-----------|
| 19 | Elongational Flow Field Processed Ultrahigh Molecular Weight Polyethylene/Polypropylene Blends with Distinct Interlayer Phase for Enhanced Tribological Properties. <i>Polymers</i> , 2021, 13, 1933.   | 4.5  | 5         |
| 20 | Enhancing Chain Mobility of Ultrahigh Molecular Weight Polyethylene by Regulating Residence Time under a Consecutive Elongational Flow for Improved Processability. <i>Polymers</i> , 2021, 13, 2192.   | 4.5  | 1         |
| 21 | Programmable Invisible Photonic Patterns with Rapid Response Based on Two-Dimensional Colloidal Crystals. <i>Polymers</i> , 2021, 13, 1926.   | 4.5  | 3         |
| 22 | Eco-Friendly Water Transfer Printing Free of Primers and Activators. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3569-3575.   | 4.4  | 1         |
| 23 | Achieving white-light emission in a single-component polymer with halogen-assisted interaction. <i>Science China Chemistry</i> , 2021, 64, 467-477.   | 8.2  | 10        |
| 24 | A Facile Strategy for Non-fluorinated Intrinsic Low-k and Low-loss Dielectric Polymers: Valid Exploitation of Secondary Relaxation Behaviors. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 213-219.  | 3.8  | 24        |
| 25 | Continuous Production of Water-Borne Polyurethanes: A Review. <i>Polymers</i> , 2020, 12, 2875.   | 4.5  | 46        |
| 26 | Structural Color Materials for Optical Anticounterfeiting. <i>Small</i> , 2020, 16, e1907626.   | 10.0 | 251       |
| 27 | Metal-free hydrophilic D-A conjugated polyelectrolyte dots/g-C <sub>3</sub> N <sub>4</sub> nanosheets heterojunction for efficient and irradiation-stable water-splitting photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118852.                          | 20.2 | 46        |
| 28 | Preserving High-Efficiency Luminescence Characteristics of an Aggregation-Induced Emission-Active Fluorophore in Thermostable Amorphous Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34198-34207.  | 8.0  | 20        |
| 29 | Recoverable Photolithographic Patterning for Polarized Display and Encryption. <i>Advanced Materials Technologies</i> , 2020, 5, 2000373.   | 5.8  | 22        |
| 30 | Multibranching Octupolar Module Embedded Covalent Organic Frameworks Enable Efficient Two-Photon Fluorescence. <i>Advanced Functional Materials</i> , 2020, 30, 2000516.  | 14.9 | 56        |
| 31 | Creation of a two-dimensional polymer and graphene heterostructure. <i>Nanoscale</i> , 2020, 12, 5170-5174.   | 5.6  | 16        |
| 32 | Multifunctional polydimethylsiloxane foam with multi-walled carbon nanotube and thermo-expandable microsphere for temperature sensing, microwave shielding and piezoresistive sensor. <i>Chemical Engineering Journal</i> , 2020, 393, 124805.                                    | 12.7 | 151       |
| 33 | 3D-crosslinked tannic acid/poly(ethylene oxide) complex as a three-in-one multifunctional binder for high-sulfur-loading and high-stability cathodes in lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2019, 17, 293-299.  | 18.0 | 76        |
| 34 | Plasmonic-3D photonic crystals microchip for surface enhanced Raman spectroscopy. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111596.   | 10.1 | 29        |
| 35 | The enhanced co-catalyst free photocatalytic hydrogen evolution and stability based on indenofluorene-containing donor-acceptor conjugated polymer dots/g-C <sub>3</sub> N <sub>4</sub> nanosheets heterojunction. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118067. | 20.2 | 51        |
| 36 | A facile route to surface passivation of both the positive and negative defects in perovskite solar cells via a self-organized passivation layer from fullerene. <i>Solar Energy</i> , 2019, 190, 264-271.  | 6.1  | 9         |

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|----|---|------|-----------|
| 37 | Donor-acceptor Nanocarbon Ensembles to Boost Metal-free All-pH Hydrogen Evolution Catalysis by Combined Surface and Dual Electronic Modulation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16217-16222.                         | 13.8 | 52        |
| 38 | Donor-acceptor Nanocarbon Ensembles to Boost Metal-free All-pH Hydrogen Evolution Catalysis by Combined Surface and Dual Electronic Modulation. <i>Angewandte Chemie</i> , 2019, 131, 16363-16368.  | 2.0  | 10        |
| 39 | Versatile Aerogels for Sensors. <i>Small</i> , 2019, 15, e1902826.  | 10.0 | 94        |
| 40 | Innentitelbild: Donor-acceptor Nanocarbon Ensembles to Boost Metal-free All-pH Hydrogen Evolution Catalysis by Combined Surface and Dual Electronic Modulation ( <i>Angew. Chem.</i> 45/2019). <i>Angewandte Chemie</i> , 2019, 131, 16086-16086. | 2.0  | 0         |
| 41 | Imparting External Stress-Free Two-Way Shape Memory Effect to Commodity Polyolefins by Manipulation of Their Hierarchical Structures. <i>ACS Macro Letters</i> , 2019, 8, 1141-1146.  | 4.8  | 24        |
| 42 | Preparation and flame-retardant mechanism of polyheptazine/PA6 nanocomposites. <i>Polymer</i> , 2019, 182, 121810.  | 3.8  | 20        |
| 43 | Highly Stretchable Photonic Crystal Hydrogels for a Sensitive Mechanochromic Sensor and Direct Ink Writing. <i>Chemistry of Materials</i> , 2019, 31, 8918-8926.  | 6.7  | 117       |
| 44 | Conjugated polymer dots/graphitic carbon nitride nanosheet heterojunctions for metal-free hydrogen evolution photocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 303-311.  | 10.3 | 64        |
| 45 | Facile Strategy for Intrinsic Low- $\kappa$ Dielectric Polymers: Molecular Design Based on Secondary Relaxation Behavior. <i>Macromolecules</i> , 2019, 52, 4601-4609.  | 4.8  | 91        |
| 46 | The Glass-Transition Temperature of Supported PMMA Thin Films with Hydrogen Bond/Plasmonic Interface. <i>Polymers</i> , 2019, 11, 601.  | 4.5  | 28        |
| 47 | Ultrathin Black Phosphorus-on-Nitrogen Doped Graphene for Efficient Overall Water Splitting: Dual Modulation Roles of Directional Interfacial Charge Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 4972-4979.            | 13.7 | 247       |
| 48 | Orientation and Dispersion Evolution of Carbon Nanotubes in Ultra High Molecular Weight Polyethylene Composites under Extensional-Shear Coupled Flow: A Dissipative Particle Dynamics Study. <i>Polymers</i> , 2019, 11, 154.                     | 4.5  | 17        |
| 49 | Extensional-shear coupled flow-induced morphology and phase evolution of polypropylene/ultra-high molecular weight polyethylene blends: Dissipative particle dynamics simulations and experimental studies. <i>Polymer</i> , 2019, 169, 36-45.    | 3.8  | 15        |
| 50 | FRET-Based Semiconducting Polymer Dots for pH Sensing. <i>Sensors</i> , 2019, 19, 1455.   | 3.8  | 14        |
| 51 | Asymmetric deformation in poly(ethylene-co-1-octene)/multi-walled carbon nanotube composites with glass micro-beads for highly piezoresistive sensitivity. <i>Chemical Engineering Journal</i> , 2019, 370, 176-184.                              | 12.7 | 34        |
| 52 | Morphology control towards a greener, non-halogenated solvent system processed CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> film for high performance perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6004-6011.   | 5.5  | 10        |
| 53 | Nanoreinforcements of Two-Dimensional Nanomaterials for Flame Retardant Polymeric Composites: An Overview. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-25.  | 1.7  | 25        |
| 54 | Hierarchical assemblies of conjugated ultrathin COF nanosheets for high-sulfur-loading and long-lifespan lithium-sulfur batteries: Fully-exposed porphyrin matters. <i>Energy Storage Materials</i> , 2019, 22, 40-47.                            | 18.0 | 100       |

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|----|---|------|-----------|
| 55 | Structure and properties of ultrahigh molecular weight polyethylene processed under a consecutive elongational flow. <i>Journal of Polymer Research</i> , 2018, 25, 1.  | 2.4  | 14        |
| 56 | Integrative solar absorbers for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4642-4648.  | 10.3 | 135       |
| 57 | Flexible Multifunctional Aromatic Polyimide Film: Highly Efficient Photoluminescence, Resistive Switching Characteristic, and Electroluminescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11430-11435.   | 8.0  | 33        |
| 58 | Segregated polypropylene/cross-linked poly(ethylene-co-1-octene)/multi-walled carbon nanotube nanocomposites with low percolation threshold and dominated negative temperature coefficient effect: Towards electromagnetic interference shielding and thermistors. <i>Composites Science and Technology</i> , 2018, 159, 152-161. | 7.8  | 83        |
| 59 | Modified halloysite nanotube filled polyimide composites for film capacitors: high dielectric constant, low dielectric loss and excellent heat resistance. <i>RSC Advances</i> , 2018, 8, 10522-10531.  | 3.6  | 43        |
| 60 | Deformation and Stress Response of Carbon Nanotubes/UHMWPE Composites under Extensional-Shear Coupling Flow. <i>Applied Composite Materials</i> , 2018, 25, 35-43.  | 2.5  | 12        |
| 61 | Bioinspired Mesoporous Chiral Nematic Graphitic Carbon Nitride Photocatalysts modulated by Polarized Light. <i>ChemSusChem</i> , 2018, 11, 114-119.   | 6.8  | 29        |
| 62 | Rapid colorimetric glucose detection via chain reaction amplification of acrylic functionalized Ag@SiO <sub>2</sub> nanoparticles. <i>RSC Advances</i> , 2018, 8, 37729-37734.  | 3.6  | 7         |
| 63 | Bioinspired interconnected hydrogel capsules for enhanced catalysis. <i>RSC Advances</i> , 2018, 8, 37050-37056.  | 3.6  | 1         |
| 64 | DNA-Assisted Assembly of Gold Nanostructures and Their Induced Optical Properties. <i>Nanomaterials</i> , 2018, 8, 994.   | 4.1  | 17        |
| 65 | Commercial Fiber Products Derived Free-Standing Porous Carbonized-Membranes for Highly Efficient Solar Steam Generation. <i>Frontiers in Materials</i> , 2018, 5, .   | 2.4  | 16        |
| 66 | Repeated Intrinsic Self-Healing of Wider Cracks in Polymer via Dynamic Reversible Covalent Bonding Molecularly Combined with a Two-Way Shape Memory Effect. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38538-38546.  | 8.0  | 101       |
| 67 | Fabricating high thermal conductivity rGO/polyimide nanocomposite films via a freeze-drying approach. <i>RSC Advances</i> , 2018, 8, 22169-22176.   | 3.6  | 24        |
| 68 | Dynamic reversible bonds enable external stress-free two-way shape memory effect of a polymer network and the interrelated intrinsic self-healability of wider crack and recyclability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16053-16063.   | 10.3 | 68        |
| 69 | Self-healing responsive chiral photonic films for sensing and encoding. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7767-7775.   | 5.5  | 51        |
| 70 | A Very Simple Strategy for Preparing External Stress-Free Two-Way Shape Memory Polymers by Making Use of Hydrogen Bonds. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700714.   | 3.9  | 33        |
| 71 | Ultrahigh energy fiber-shaped supercapacitors based on porous hollow conductive polymer composite fiber electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12250-12258.   | 10.3 | 45        |
| 72 | Fluorescence Enhancement on Large Area Self-Assembled Plasmonic 3D Photonic Crystals. <i>Small</i> , 2017, 13, 1602612.   | 10.0 | 30        |

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|----|---|------|-----------|
| 73 | An Au NP doped buffer layer in a slab waveguide for enhancement of organic amplified spontaneous emission. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1356-1362.  | 5.5  | 4         |
| 74 | Regio- and Enantioselective Photodimerization within the Confined Space of a Homochiral Ruthenium/Palladium Heterometallic Coordination Cage. <i>Angewandte Chemie</i> , 2017, 129, 3910-3914.  | 2.0  | 42        |
| 75 | Regio- and Enantioselective Photodimerization within the Confined Space of a Homochiral Ruthenium/Palladium Heterometallic Coordination Cage. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3852-3856.   | 13.8 | 162       |
| 76 | One-Pot Large-Scale Synthesis of Carbon Quantum Dots: Efficient Cathode Interlayers for Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14953-14959.  | 8.0  | 41        |
| 77 | A Facile Approach Toward Scalable Fabrication of Reversible Shape-Memory Polymers with Bonded Elastomer Microphases as Internal Stress Provider. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700124.  | 3.9  | 40        |
| 78 | Bifunctional MOF-Derived Carbon Photonic Crystal Architectures for Advanced Zn-Air and Li-S Batteries: Highly Exposed Graphitic Nitrogen Matters. <i>Advanced Functional Materials</i> , 2017, 27, 1701971.   | 14.9 | 156       |
| 79 | Metal Conductive Surface Patterning on Photoactive Polyimide. <i>Advanced Functional Materials</i> , 2017, 27, 1701674.   | 14.9 | 27        |
| 80 | Cross-Linked Graphitic Carbon Nitride with Photonic Crystal Structure for Efficient Visible-Light-Driven Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44503-44511.  | 8.0  | 31        |
| 81 | Intrinsic low dielectric constant polyimides: relationship between molecular structure and dielectric properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12807-12815.   | 5.5  | 110       |
| 82 | An oxidation-induced fluorescence turn-on approach for non-luminescent flexible polyimide films. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8545-8552.  | 5.5  | 19        |
| 83 | Multi-functional polyimides containing tetraphenyl fluorene moieties: fluorescence and resistive switching behaviors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6457-6466.   | 5.5  | 27        |
| 84 | Exceptionally thermostable and soluble aromatic polyimides with special characteristics: intrinsic ultralow dielectric constant, static random access memory behaviors, transparency and fluorescence. <i>Materials Chemistry Frontiers</i> , 2017, 1, 326-337. | 5.9  | 61        |
| 85 | The Preparations and Water Vapor Barrier Properties of Polyimide Films Containing Amide Moieties. <i>Polymers</i> , 2017, 9, 677.   | 4.5  | 38        |
| 86 | Freestanding Graphitic Carbon Nitride Photonic Crystals for Enhanced Photocatalysis. <i>Advanced Functional Materials</i> , 2016, 26, 4943-4950.  | 14.9 | 122       |
| 87 | Plasmonic effects and the morphology changes on the active material P3HT:PCBM used in polymer solar cells using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 888-894.   | 2.5  | 9         |
| 88 | Interfacial modification layers based on carbon dots for efficient inverted polymer solar cells exceeding 10% power conversion efficiency. <i>Nano Energy</i> , 2016, 26, 216-223.  | 16.0 | 83        |
| 89 | Reply to the "Comment on "Observation of mutual diffusion of macromolecules in PS/PMMA binary films by confocal Raman microscopy" by J. Pablo Tomba, <i>Soft Matter</i> , 2016, <b>12</b>, DOI: 10.1039/C5SM02735G. <i>Soft Matter</i> , 2016, 12, 4514-4515.   | 2.7  | 1         |
| 90 | Flexible and highly fluorescent aromatic polyimide: design, synthesis, properties, and mechanism. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10509-10517.   | 5.5  | 51        |

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|-----|--|------|-----------|
| 91  | Nonvolatile electrical switching behavior and mechanism of functional polyimides bearing a pyrrole unit: influence of different side groups. <i>RSC Advances</i> , 2016, 6, 52798-52809.   | 3.6  | 9         |
| 92  | Synthesis and properties of highly organosoluble and low dielectric constant polyimides containing non-polar bulky triphenyl methane moiety. <i>Reactive and Functional Polymers</i> , 2016, 108, 71-77.   | 4.1  | 79        |
| 93  | Transforming Pristine Carbon Fiber Tows into High Performance Solid-State Fiber Supercapacitors. <i>Advanced Materials</i> , 2015, 27, 4895-4901.  | 21.0 | 193       |
| 94  | Mesoporous Ag nanocubes synthesized via selectively oxidative etching at room temperature for surface-enhanced Raman spectroscopy. <i>Nano Research</i> , 2015, 8, 2351-2362.  | 10.4 | 12        |
| 95  | Control of plasmonic fluorescence enhancement on self-assembled 2-D colloidal crystals. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6185-6191.  | 5.5  | 21        |
| 96  | A Bulk Dielectric Polymer Film with Intrinsic Ultralow Dielectric Constant and Outstanding Comprehensive Properties. <i>Chemistry of Materials</i> , 2015, 27, 6543-6549.  | 6.7  | 131       |
| 97  | Rational design of metallic nanowire-based plasmonic architectures for efficient inverted polymer solar cells. <i>Solar Energy</i> , 2015, 122, 231-238.   | 6.1  | 15        |
| 98  | Enhancement of short-circuit current density in polymer bulk heterojunction solar cells comprising plasmonic silver nanowires. <i>Applied Physics Letters</i> , 2014, 104, .   | 3.3  | 17        |
| 99  | An easy approach of preparing strongly luminescent carbon dots and their polymer based composites for enhancing solar cell efficiency. <i>Carbon</i> , 2014, 70, 190-198.  | 10.3 | 156       |
| 100 | Reversible surface wettability conversion of graphene films: optically controlled mechanism. <i>Journal of Materials Science</i> , 2014, 49, 3025-3033.  | 3.7  | 11        |
| 101 | Deep-blue luminescent compound that emits efficiently both in solution and solid state with considerable blue-shift upon aggregation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1068-1075.  | 5.5  | 61        |
| 102 | Polyimide nanocomposites with boron nitride-coated multi-walled carbon nanotubes for enhanced thermal conductivity and electrical insulation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20958-20965.  | 10.3 | 130       |
| 103 | A novel ultrasound-sensitive mechanofluorochromic AIE-compound with remarkable blue-shifting and enhanced emission. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5812-5817.  | 5.5  | 35        |
| 104 | Localized surface plasmon resonance enhanced blue light-emission of polyfluorene copolymer. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 1340-1346.   | 4.0  | 12        |
| 105 | Quantitative description of aggregation and dissociation of poly (vinyl methyl ether)/poly (2-ethyl-2-oxazoline) chains in water by novel elastic light scattering spectroscopy. <i>Polymer Bulletin</i> , 2014, 71, 243-260.                              | 3.3  | 7         |
| 106 | Enhanced single molecule fluorescence of conjugated polymer poly(3-hexylthiophene) on silver-nanocubes. <i>Synthetic Metals</i> , 2014, 195, 9-15.   | 3.9  | 3         |
| 107 | Reversible aggregation kinetics of poly(N-isopropylacrylamide-co-N-vinylpyrrolidone) in aqueous solutions revealed by elastic light scattering spectroscopy. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 766-772. | 1.0  | 1         |
| 108 | Effective excitation and control of guided surface plasmon polaritons in a conjugated polymer-silver nanowire composite system. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1265-1271.  | 5.5  | 23        |

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|-----|--|-----|-----------|
| 109 | SERS study on surface chain geometry of atactic poly (methyl methacrylate) film and nanosphere. Journal of Raman Spectroscopy, 2013, 44, 1136-1143.  | 2.5 | 12        |
| 110 | Observation of mutual diffusion of macromolecules in PS/PMMA binary films by confocal Raman microscopy. Soft Matter, 2012, 8, 4780-4787.   | 2.7 | 25        |
| 111 | “Bridge” effect of CdS nanoparticles in the interface of graphene/polyaniline composites. Journal of Materials Chemistry, 2012, 22, 10999.   | 6.7 | 29        |
| 112 | Competition Between Motion Constraint and Aggregation of Macromolecular Chains in Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Chemistry and Physics, 2012, 213, 1735-1741.                              | 2.2 | 3         |
| 113 | Competitive mechanism of poly(ethylene glycol) with poly(vinyl methyl ether) in complexing water molecules revealed with elastic light scattering spectroscopy. Polymer Bulletin, 2012, 68, 425-440.         | 3.3 | 3         |
| 114 | Incorporation of Light-emitting Polymer into Large Cage-Type Mesoporous Silica: Toward New Luminescent Nanocomposites. Acta Chimica Sinica, 2012, 70, 2425.  | 1.4 | 3         |
| 115 | Structure evolution and kinetics steps of the melting process of thermoreversible polymer gels. Soft Matter, 2011, 7, 5010.  | 2.7 | 8         |
| 116 | Complexation behaviour of cellulose derivative/surfactant mixtures investigated by nonlinear enhanced Rayleigh scattering. Colloid and Polymer Science, 2011, 289, 767-774.                                  | 2.1 | 4         |
| 117 | Optical emission from disordered multi-branched ZnO nanorods formed by catalyst-free growth. Applied Physics A: Materials Science and Processing, 2011, 103, 329-334.  | 2.3 | 1         |
| 118 | Preparation and swelling behaviors of rapid responsive semi-IPN NaCMC/PNIPAm hydrogels. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 1073-1078.                              | 1.0 | 25        |
| 119 | Microstructure Evolution and Dynamic Stages of Cold-Crystallized Poly(trimethylene terephthalate) Revealed by Synchronous Fluorescence Scanning. Macromolecular Chemistry and Physics, 2011, 212, 1176-1184. | 2.2 | 1         |
| 120 | Study of Phase Separation of Poly(N-isopropylacrylamide-co-styrene) Aqueous Solutions with Rayleigh Scattering Technique. Chinese Journal of Chemistry, 2011, 29, 1041-1048.                                 | 4.9 | 2         |
| 121 | Synthesis and characterization of a novel pH-sensitive complex for drug release. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 24-27.   | 1.0 | 6         |
| 122 | Dynamic rheological behavior and morphology of poly(trimethylene terephthalate)/poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50  | 2.6 | 6         |
| 123 | Complexation of poly(acrylic acid) and poly(ethylene oxide) investigated by enhanced Rayleigh scattering method. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1847-1852.                   | 2.1 | 12        |
| 124 | Biodegradation of blends of polyethylene-octene elastomer with starches by fungi. Journal of Applied Polymer Science, 2009, 114, 3574-3584.  | 2.6 | 16        |
| 125 | Association behaviors between carboxymethyl cellulose and polylactic acid revealed by resonance light scattering spectra. Polymer Bulletin, 2009, 62, 549-559.   | 3.3 | 6         |
| 126 | Dynamic rheological and morphological study of the compatibility of thermoplastic polyurethane/ethylene-octene copolymer blends. Journal of Applied Polymer Science, 2008, 109, 3452-3457.                   | 2.6 | 9         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Influence of Compatibilizer on Morphology and Dynamic Rheological Behavior of Polyethylene-Octene Elastomer/Starch Blends. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2008, 57, 362-373. | 3.4 | 10        |
| 128 | Temperature-dependent photoluminescence properties of synthesized schistoselike organic nanostructures. <i>Journal of Applied Physics</i> , 2008, 103, 013104.   | 2.5 | 2         |
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