Shu Wang

List of Publications by Citations

247 papers	15,129 citations	62 h-index	115 g-index
254 ext. papers	16,712 ext. citations	10.1 avg, IF	6.73 L-index

#	Paper	IF	Citations
247	Water-soluble conjugated polymers for imaging, diagnosis, and therapy. *Chemical Reviews*, **2012**, 112, 4687-735	68.1	944
246	Conjugated polymer nanoparticles: preparation, properties, functionalization and biological applications. *Chemical Society Reviews*, **2013**, 42, 6620-33	58.5	687
245	Water-soluble fluorescent conjugated polymers and their interactions with biomacromolecules for sensitive biosensors. *Chemical Society Reviews*, **2010**, 39, 2411-9	58.5	523
244	Beyond superquenching: hyper-efficient energy transfer from conjugated polymers to gold nanoparticles. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6297-301	11.5	469
243	Fluorescent amplifying recognition for DNA G-quadruplex folding with a cationic conjugated polymer: a platform for homogeneous potassium detection. *Journal of the American Chemical Society*, **2005**, 127, 12343-6	16.4	379
242	Visible near-infrared chemosensor for mercury ion. *Organic Letters*, **2008**, 10, 1481-4	6.2	348
241	Conjugated polymer/porphyrin complexes for efficient energy transfer and improving light-activated antibacterial activity. *Journal of the American Chemical Society*, **2009**, 131, 13117-24	16.4	277
240	Cationic conjugated polymers for optical detection of DNA methylation, lesions, and single nucleotide polymorphisms. *Accounts of Chemical Research*, **2010**, 43, 260-70	24.3	251
239	A colorimetric and fluorometric dual-model assay for mercury ion by a molecule. *Organic Letters*, **2007**, 9, 2313-6	6.2	249
238	Supramolecular photosensitizers with enhanced antibacterial efficiency. *Angewandte Chemie - International Edition*, **2013**, 52, 8285-9	16.4	246
237	Fluorescein provides a resonance gate for FRET from conjugated polymers to DNA intercalated dyes. *Journal of the American Chemical Society*, **2004**, 126, 5446-51	16.4	246
236	Fluorescence turn-on detection of DNA and label-free fluorescence nuclease assay based on the aggregation-induced emission of silole. *Analytical Chemistry*, **2008**, 80, 6443-8	7.8	225
235	Field emission properties of large-area nanowires of organic charge-transfer complexes. *Journal of the American Chemical Society*, **2005**, 127, 1120-1	16.4	217
234	Multifunctional cationic poly(p-phenylene vinylene) polyelectrolytes for selective recognition, imaging, and killing of bacteria over mammalian cells. *Advanced Materials*, **2011**, 23, 4805-10	24	216
233	A Supramolecular Antibiotic Switch for Antibacterial Regulation. *Angewandte Chemie - International Edition*, **2015**, 54, 13208-13	16.4	211
232	Conjugated polymer nanoparticles for drug delivery and imaging. *ACS Applied Materials & Interfaces*, **2010**, 2, 2429-35	9.5	205
231	Cationic conjugated polymers for discrimination of microbial pathogens. *Advanced Materials*, **2014**, 26, 4333-8	24	201

230	Chemical molecule-induced light-activated system for anticancer and antifungal activities. *Journal of the American Chemical Society*, **2012**, 134, 13184-7	16.4	194
229	Effect of chromophore-charge distance on the energy transfer properties of water-soluble conjugated oligomers. *Journal of the American Chemical Society*, **2003**, 125, 6705-14	16.4	192
228	A Reversible and Highly Selective Fluorescent Sensor for Mercury(II) Using Poly(thiophene)s that Contain Thymine Moieties. *Macromolecular Rapid Communications*, **2006**, 27, 389-392	4.8	181
227	Shape-adaptable water-soluble conjugated polymers. *Journal of the American Chemical Society*, **2003**, 125, 13306-7	16.4	176
226	Direct visualization of enzymatic cleavage and oxidative damage by hydroxyl radicals of single-stranded DNA with a cationic polythiophene derivative. *Journal of the American Chemical Society*, **2006**, 128, 14972-6	16.4	172
225	Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. *Angewandte Chemie - International Edition*, **2017**, 56, 16239-16242	16.4	171
224	Near-Infrared (NIR)-Absorbing Conjugated Polymer Dots as Highly Effective Photothermal Materials for In Vivo Cancer Therapy. *Chemistry of Materials*, **2016**, 28, 8669-8675	9.6	169
223	Supramolecular Antibacterial Materials for Combatting Antibiotic Resistance. *Advanced Materials*, **2019**, 31, e1805092	24	158
222	Continuous fluorometric assays for acetylcholinesterase activity and inhibition with conjugated polyelectrolytes. *Angewandte Chemie - International Edition*, **2007**, 46, 7882-6	16.4	143
221	Ultrasensitive DNA detection using photonic crystals. *Angewandte Chemie - International Edition*, **2008**, 47, 7258-62	16.4	142
220	Preparation and biofunctionalization of multicolor conjugated polymer nanoparticles for imaging and detection of tumor cells. *Advanced Materials*, **2014**, 26, 3926-30	24	138
219	Conjugated Polymer Nanoparticles for Imaging, Cell Activity Regulation, and Therapy. *Advanced Functional Materials*, **2019**, 29, 1806818	15.6	137
218	A sensitive and homogeneous SNP detection using cationic conjugated polymers. *Journal of the American Chemical Society*, **2007**, 129, 4154-5	16.4	131
217	Fluorescent conjugated polyelectrolyte as an indicator for convenient detection of DNA methylation. *Journal of the American Chemical Society*, **2008**, 130, 11338-43	16.4	128
216	Lipid-modified conjugated polymer nanoparticles for cell imaging and transfection. *Journal of Materials Chemistry*, **2010**, 20, 1312-1316		127
215	Conjugated-polymer-based energy-transfer systems for antimicrobial and anticancer applications. *Advanced Materials*, **2014**, 26, 6978-82	24	124
214	Selective Antimicrobial Activities and Action Mechanism of Micelles Self-Assembled by Cationic Oligomeric Surfactants. *ACS Applied Materials & Interfaces*, **2016**, 8, 4242-9	9.5	117
213	Luminescent, Oxygen-Supplying, Hemoglobin-Linked Conjugated Polymer Nanoparticles for Photodynamic Therapy. *Angewandte Chemie - International Edition*, **2019**, 58, 10660-10665	16.4	116

212	Quadruplex-to-duplex transition of G-rich oligonucleotides probed by cationic water-soluble conjugated polyelectrolytes. *Journal of the American Chemical Society*, **2006**, 128, 6764-5	16.4	115
211	Electrochemiluminescence for Electric-Driven Antibacterial Therapeutics. *Journal of the American Chemical Society*, **2018**, 140, 2284-2291	16.4	112
210	Fabrication of polydiacetylene nanowires by associated self-polymerization and self-assembly processes for efficient field emission properties. *Journal of the American Chemical Society*, **2005**, 127, 12452-3	16.4	112
209	A Membrane-Intercalating Conjugated Oligoelectrolyte with High-Efficiency Photodynamic Antimicrobial Activity. *Angewandte Chemie - International Edition*, **2017**, 56, 5031-5034	16.4	110
208	Time-resolved energy transfer in DNA sequence detection using water-soluble conjugated polymers: the role of electrostatic and hydrophobic interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 11634-9	11.5	101
207	Fluorescence logic-signal-based multiplex detection of nucleases with the assembly of a cationic conjugated polymer and branched DNA. *Angewandte Chemie - International Edition*, **2009**, 48, 5316-21	16.4	99
206	Water-soluble conjugated polymers for continuous and sensitive fluorescence assays for phosphatase and peptidase. *Journal of Materials Chemistry*, **2007**, 17, 4147		98
205	Design Guidelines For Conjugated Polymers With Light-Activated Anticancer Activity. *Advanced Functional Materials*, **2011**, 21, 4058-4067	15.6	95
204	The fluorescence resonance energy transfer (FRET) gate: a time-resolved study. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 530-5	11.5	95
203	Photothermal-Responsive Conjugated Polymer Nanoparticles for Remote Control of Gene Expression in Living Cells. *Advanced Materials*, **2018**, 30, 1705418	24	90
202	Supramolecular Porphyrin Photosensitizers: Controllable Disguise and Photoinduced Activation of Antibacterial Behavior. *ACS Applied Materials & Interfaces*, **2017**, 9, 13950-13957	9.5	89
201	Conjugated polymer nanoparticles for light-activated anticancer and antibacterial activity with imaging capability. *Langmuir*, **2012**, 28, 2091-8	4	89
200	Solvent-dependent aggregation of a water-soluble poly(fluorene) controls energy transfer to chromophore-labeled DNA. *Chemical Communications*, **2004**, 2508-9	5.8	88
199	Engineering Sensor Arrays Using Aggregation-Induced Emission Luminogens for Pathogen Identification. *Advanced Functional Materials*, **2019**, 29, 1805986	15.6	87
198	Conjugated Polymer Nanoparticles to Augment Photosynthesis of Chloroplasts. *Angewandte Chemie - International Edition*, **2017**, 56, 5308-5311	16.4	86
197	Fluorescent conjugated polymer-based FRET technique for detection of DNA methylation of cancer cells. *Nature Protocols*, **2010**, 5, 1255-64	18.8	81
196	Conjugated Polymer Nanoparticles with Appended Photo-Responsive Units for Controlled Drug Delivery, Release, and Imaging. *Angewandte Chemie - International Edition*, **2018**, 57, 13114-13119	16.4	79
195	A convenient preparation of multi-spectral microparticles by bacteria-mediated assemblies of conjugated polymer nanoparticles for cell imaging and barcoding. *Advanced Materials*, **2012**, 24, 637-41	24	79

194	An optical nanoruler based on a conjugated polymer-silver nanoprism pair for label-free protein detection. *Advanced Materials*, **2015**, 27, 6040-5	24	76
193	Development of Film Sensors Based on Conjugated Polymers for Copper (II) Ion Detection. *Advanced Functional Materials*, **2011**, 21, 845-850	15.6	74
192	Advanced functional polymer materials. *Materials Chemistry Frontiers*, **2020**, 4, 1803-1915	7.8	70
191	Fluorescence ratiometric assays of hydrogen peroxide and glucose in serum using conjugated polyelectrolytes. *Journal of Materials Chemistry*, **2007**, 17, 3702		68
190	Strategies to design conjugated polymer based materials for biological sensing and imaging. *Coordination Chemistry Reviews*, **2018**, 354, 135-154	23.2	65
189	An unusual OFF-ON fluorescence sensor for detecting mercury ions in aqueous media and living cells. *Chemical Communications*, **2014**, 50, 2055-7	5.8	65
188	Selective Imaging and Inactivation of Bacteria over Mammalian Cells by Imidazolium-Substituted Polythiophene. *Chemistry of Materials*, **2017**, 29, 6389-6395	9.6	64
187	Fluorescent DNA-poly(phenylenevinylene) hybrid hydrogels for monitoring drug release. *Chemical Communications*, **2009**, 641-3	5.8	64
186	Conjugated polymer-coated bacteria for multimodal intracellular and extracellular anticancer activity. *Advanced Materials*, **2013**, 25, 1203-8	24	61
185	Supramolecular Conjugated Polymer Materials for in Situ Pathogen Detection. *ACS Applied Materials & Interfaces*, **2016**, 8, 31550-31557	9.5	60
184	Recent Advances in Conjugated Polymer Materials for Disease Diagnosis. *Small*, **2016**, 12, 696-705	11	60
183	Supramolecular Photosensitizers with Enhanced Antibacterial Efficiency. *Angewandte Chemie*, **2013**, 125, 8443-8447	3.6	60
182	Detection and differential diagnosis of colon cancer by a cumulative analysis of promoter methylation. *Nature Communications*, **2012**, 3, 1206	17.4	59
181	Water-Soluble Conjugated Organic Molecules as Optical and Electrochemical Materials for Interdisciplinary Biological Applications. *Accounts of Chemical Research*, **2019**, 52, 3211-3222	24.3	56
180	Conjugated Polymer with Intrinsic Alkyne Units for Synergistically Enhanced Raman Imaging in Living Cells. *Angewandte Chemie - International Edition*, **2017**, 56, 13455-13458	16.4	54
179	Rapid, simple, and high-throughput antimicrobial susceptibility testing and antibiotics screening. *Angewandte Chemie - International Edition*, **2011**, 50, 9607-10	16.4	54
178	Biofilm Inhibition and Elimination Regulated by Cationic Conjugated Polymers. *ACS Applied Materials & Interfaces*, **2017**, 9, 16933-16938	9.5	53
177	Universal platform for sensitive and label-free nuclease assay based on conjugated polymer and DNA/intercalating dye complex. *Langmuir*, **2010**, 26, 4540-5	4	53

176	Dopamine-Modified Cationic Conjugated Polymer as a New Platform for pH Sensing and Autophagy Imaging. *Advanced Functional Materials*, **2013**, 23, 764-769	15.6	52
175	A highly emissive conjugated polyelectrolyte vector for gene delivery and transfection. *Advanced Materials*, **2012**, 24, 5428-32	24	50
174	Supramolecular Antibiotic Switches: A Potential Strategy for Combating Drug Resistance. *Chemistry - A European Journal*, **2016**, 22, 11114-21	4.8	50
173	Polymer-drug conjugates for intracellar molecule-targeted photoinduced inactivation of protein and growth inhibition of cancer cells. *Scientific Reports*, **2012**, 2, 766	4.9	49
172	Label-free, homogeneous, and fluorescence "turn-on" detection of protease using conjugated polyelectrolytes. *Biomacromolecules*, **2009**, 10, 454-7	6.9	49
171	Fluorescence Turn-On Detection of Nitric Oxide in Aqueous Solution Using Cationic Conjugated Polyelectrolytes. *Macromolecular Rapid Communications*, **2007**, 28, 241-245	4.8	49
170	Water-soluble conjugated polymers for fluorescent-enzyme assays. *Macromolecular Rapid Communications*, **2010**, 31, 1405-21	4.8	46
169	Preparation of Conjugated Polymer Grafted with H2O2-Sensitive Prodrug for Cell Imaging and Tumor Cell Killing. *ACS Applied Materials & Interfaces*, **2016**, 8, 42-6	9.5	45
168	Self-Assembled Nanomedicines for Anticancer and Antibacterial Applications. *Advanced Healthcare Materials*, **2018**, 7, e1800670	10.1	45
167	Efficient Conjugated Polymer-Methyl Viologen Electron Transfer System for Controlled Photo-Driven Hydrogen Evolution. *ACS Applied Materials & Interfaces*, **2017**, 9, 10355-10359	9.5	44
166	Graphene-Oxide-Conjugated Polymer Hybrid Materials for Calmodulin Sensing by Using FRET Strategy. *Advanced Functional Materials*, **2015**, 25, 4412-4418	15.6	44
165	Multicellular assembly and light-regulation of cell-cell communication by conjugated polymer materials. *Advanced Materials*, **2014**, 26, 2371-5	24	43
164	Tetrahydro[5]helicene-Based Nanoparticles for Structure-Dependent Cell Fluorescent Imaging. *Advanced Functional Materials*, **2014**, 24, 4405-4412	15.6	43
163	Solar-Powered Organic Semiconductor-Bacteria Biohybrids for CO Reduction into Acetic Acid. *Angewandte Chemie - International Edition*, **2020**, 59, 7224-7229	16.4	42
162	Conjugated Polymer-Based Photoelectrochemical Cytosensor with Turn-On Enable Signal for Sensitive Cell Detection. *ACS Applied Materials & Interfaces*, **2018**, 10, 6618-6623	9.5	42
161	Cross-Linking of Thiolated Paclitaxel-Oligo(p-phenylene vinylene) Conjugates Aggregates inside Tumor Cells Leads to "Chemical Locks" That Increase Drug Efficacy. *Advanced Materials*, **2018**, 30, 1704888	24	42
160	Polypseudorotaxane Constructed from Cationic Polymer with Cucurbit[7]uril for Controlled Antibacterial Activity. *ACS Macro Letters*, **2016**, 5, 1109-1113	6.6	42
159	A potent fluorescent probe for the detection of cell apoptosis. *Chemical Communications*, **2011**, 47, 5524-6	5.8	41

158	Single-nucleotide polymorphism (SNP) genotyping using cationic conjugated polymers in homogeneous solution. *Nature Protocols*, **2009**, 4, 984-91	18.8	41
157	Conjugated Polymer with Aggregation-Directed Intramolecular Förster Resonance Energy Transfer Enabling Efficient Discrimination and Killing of Microbial Pathogens. *Chemistry of Materials*, **2018**, 30, 3244-3253	9.6	40
156	Multi-colored fibers by self-assembly of DNA, histone proteins, and cationic conjugated polymers. *Angewandte Chemie - International Edition*, **2014**, 53, 424-8	16.4	40
155	Conjugated polymers as multifunctional biomedical platforms: Anticancer activity and apoptosis imaging. *Journal of Materials Chemistry*, **2010**, 20, 6942		40
154	Selective and homogeneous fluorescent DNA detection by target-induced strand displacement using cationic conjugated polyelectrolytes. *Analytical Chemistry*, **2008**, 80, 2239-43	7.8	40
153	A Multifunctional Cationic Pentathiophene: Synthesis, Organelle-Selective Imaging, and Anticancer Activity. *Advanced Functional Materials*, **2012**, 22, 736-743	15.6	38
152	Ultrasensitive DNA Detection Using Photonic Crystals. *Angewandte Chemie*, **2008**, 120, 7368-7372	3.6	38
151	Reactive Amphiphilic Conjugated Polymers for Inhibiting Amyloid Assembly. *Angewandte Chemie - International Edition*, **2019**, 58, 5988-5993	16.4	38
150	Supramolecular Conjugated Polymer Systems with Controlled Antibacterial Activity. *Langmuir*, **2017**, 33, 1116-1120	4	37
149	Visual optical discrimination and detection of microbial pathogens based on diverse interactions of conjugated polyelectrolytes with cells. *Journal of Materials Chemistry*, **2011**, 21, 7905		37
148	Assemblies of conjugated polyelectrolytes with proteins for controlled protein photoinactivation. *Advanced Materials*, **2010**, 22, 1602-6	24	37
147	Cationic conjugated polyelectrolyte-based fluorometric detection of copper(II) ions in aqueous solution. *Polymer*, **2008**, 49, 2698-2703	3.9	37
146	Precisely Defined Conjugated Oligoelectrolytes for Biosensing and Therapeutics. *Advanced Materials*, **2019**, 31, e1806701	24	36
145	Self-Aggregation, Antibacterial Activity, and Mildness of Cyclodextrin/Cationic Trimeric Surfactant Complexes. *ACS Applied Materials & Interfaces*, **2016**, 8, 30811-30823	9.5	36
144	Cationic Conjugated Polymers-Induced Quorum Sensing of Bacteria Cells. *Analytical Chemistry*, **2016**, 88, 2985-8	7.8	35
143	Synthesis of a new conjugated polymer for cell membrane imaging by using an intracellular targeting strategy. *Polymer Chemistry*, **2013**, 4, 5212	4.9	35
142	Synthesis of amphiphilic polythiophene for cell imaging and monitoring the cellular distribution of a cisplatin anticancer drug. *Small*, **2011**, 7, 1464-70	11	35
141	Synthesis of a new water-soluble oligo(phenylenevinylene) containing a tyrosine moiety for tyrosinase activity detection. *Organic Letters*, **2008**, 10, 5369-72	6.2	35

140	Conjugated polyelectrolyte-DNA complexes for multi-color and one-tube SNP genotyping assays. *Chemical Communications*, **2008**, 1302-4	5.8	33
139	Synthesis of cationic water-soluble light-harvesting dendrimers. *Organic Letters*, **2005**, 7, 1907-10	6.2	32
138	Conjugated PolyelectrolyteSilver Nanostructure Pair for Detection and Killing of Bacteria. *Advanced Materials Technologies*, **2017**, 2, 1700033	6.8	31
137	Luminescent, Oxygen-Supplying, Hemoglobin-Linked Conjugated Polymer Nanoparticles for Photodynamic Therapy. *Angewandte Chemie*, **2019**, 131, 10770-10775	3.6	31
136	Self-assembled multicolor nanoparticles based on functionalized twistacene dendrimer for cell fluorescent imaging. *NPG Asia Materials*, **2015**, 7, e230-e230	10.3	31
135	Synthesis and characterization of water-soluble polythiophene derivatives for cell imaging. *Scientific Reports*, **2015**, 5, 7617	4.9	31
134	Aptamer-based polymerase chain reaction for ultrasensitive cell detection. *Chemical Communications*, **2012**, 48, 7465-7	5.8	31
133	Multiplex detection of DNA mutations by the fluorescence fingerprint spectrum technique. *Angewandte Chemie - International Edition*, **2013**, 52, 13020-3	16.4	31
132	Radical Scavenging Mediating Reversible Fluorescence Quenching of an Anionic Conjugated Polymer: Highly Sensitive Probe for Antioxidants. *Chemistry of Materials*, **2006**, 18, 3605-3610	9.6	31
131	Conjugated Polymer Nanoparticles to Augment Photosynthesis of Chloroplasts. *Angewandte Chemie*, **2017**, 129, 5392-5395	3.6	30
130	Fluorescence Ratiometric Assay Strategy for Chemical Transmitter of Living Cells Using H2O2-Sensitive Conjugated Polymers. *ACS Applied Materials & Interfaces*, **2015**, 7, 24110-8	9.5	30
129	Non-Ionic Water-Soluble Crown-Ether-Substituted Polyfluorene as Fluorescent Probe for Lead Ion Assays. *Macromolecular Rapid Communications*, **2007**, 28, 1333-1338	4.8	30
128	A Supramolecular Antibiotic Switch for Antibacterial Regulation. *Angewandte Chemie*, **2015**, 127, 13406-13411	3.6	28
127	Visual detection of DNA mutation using multicolor fluorescent coding. *ACS Applied Materials & Interfaces*, **2012**, 4, 2885-90	9.5	28
126	Water-soluble dendritic-conjugated polyfluorenes: Synthesis, characterization, and interactions with DNA. *Journal of Polymer Science Part A*, **2008**, 46, 7462-7472	2.5	28
125	Pyridinium-Substituted TetraphenylethyleneEntailing Alkyne Moiety: Enhancement of Photosensitizing Efficiency and Antimicrobial Activity. *Chemistry - an Asian Journal*, **2017**, 12, 1013-1019	4.5	27
124	Flexible antibacterial film deposited with polythiophene-porphyrin composite. *Advanced Healthcare Materials*, **2013**, 2, 1582-5	10.1	27
123	Homogeneous and one-step fluorescent allele-specific PCR for SNP genotyping assays using conjugated polyelectrolytes. *Biosensors and Bioelectronics*, **2009**, 24, 2095-9	11.8	27

122	Gadolinium(III) chelated conjugated polymer as a potential MRI contrast agent. *Polymer*, **2010**, 51, 1336-1340	3.9	27
121	BODIPY-Based Fluorescent Surfactant for Cell Membrane Imaging and Photodynamic Therapy.. *ACS Applied Bio Materials*, **2020**, 3, 593-601	4.1	27
120	Antimicrobial activity of a conjugated polymer with cationic backbone. *Dyes and Pigments*, **2019**, 160, 519-523	4.6	27
119	A Membrane-Intercalating Conjugated Oligoelectrolyte with High-Efficiency Photodynamic Antimicrobial Activity. *Angewandte Chemie*, **2017**, 129, 5113-5116	3.6	26
118	Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. *Angewandte Chemie*, **2017**, 129, 16457-16460	3.6	26
117	Guanidinium-pendant oligofluorene for rapid and specific identification of antibiotics with membrane-disrupting ability. *Chemical Communications*, **2015**, 51, 4036-9	5.8	26
116	A glucose-powered antimicrobial system using organic-inorganic assembled network materials. *Chemical Communications*, **2015**, 51, 722-4	5.8	26
115	Dual-amplified sensitive DNA detection based on conjugated polymers and recyclable autocatalytic hybridization of DNA. *Chemical Communications*, **2011**, 47, 5783-5	5.8	26
114	Sensitive, selective and label-free protein detection using a smart polymeric transducer and aptamer/ligand system. *Chemical Communications*, **2009**, 7357-9	5.8	26
113	Gold nanoparticle-based monitoring of the reduction of oxidized to reduced glutathione. *Langmuir*, **2007**, 23, 8815-9	4	26
112	Conjugated polymers for light-activated antifungal activity. *Small*, **2012**, 8, 524-9	11	24
111	In Situ-Induced Multivalent Anticancer Drug Clusters in Cancer Cells for Enhancing Drug Efficacy. *CCS Chemistry*,97-105	7.2	24
110	Artificial regulation of state transition for augmenting plant photosynthesis using synthetic light-harvesting polymer materials. *Science Advances*, **2020**, 6, eabc5237	14.3	24
109	Conducting Polymers□hylakoid Hybrid Materials for Water Oxidation and Photoelectric Conversion. *Advanced Electronic Materials*, **2019**, 5, 1800789	6.4	24
108	Designing an Amino-Fullerene Derivative C-(EDA) to Fight Superbacteria. *ACS Applied Materials & Interfaces*, **2019**, 11, 14597-14607	9.5	23
107	Supramolecular Strategy Based on Conjugated Polymers for Discrimination of Virus and Pathogens. *Biomacromolecules*, **2018**, 19, 2117-2122	6.9	23
106	Analyte-Induced Aggregation of a Water-Soluble Conjugated Polymer for Fluorescent Assay of Oxalic Acid. *Macromolecular Rapid Communications*, **2007**, 28, 1905-1911	4.8	23
105	A Conjugated Polymer-Based Electrochemical DNA Sensor: Design and Application of a Multi-Functional and Water-Soluble Conjugated Polymer. *Macromolecular Rapid Communications*, **2008**, 29, 1489-1494	4.8	23

104	Conjugated polyelectrolytes for protein assays and for the manipulation of the catalytic activity of enzymes. *Chemistry - an Asian Journal*, **2008**, 3, 1601-6	4.5	23
103	Peptide Amphiphiles with Distinct Supramolecular Nanostructures for Controlled Antibacterial Activities. *ACS Applied Bio Materials*, **2018**, 1, 21-26	4.1	23
102	Photocatalytic Hydrogen Production with Conjugated Polymers as Photosensitizers. *ACS Applied Materials & Interfaces*, **2018**, 10, 10828-10834	9.5	22
101	Multifunctional non-viral delivery systems based on conjugated polymers. *Macromolecular Bioscience*, **2012**, 12, 1600-14	5.5	22
100	Fabrication of Homogeneous Hybrid Nanorod of Organic/Inorganic Semiconductor Materials. *Journal of Physical Chemistry C*, **2008**, 112, 8223-8228	3.8	22
99	Single Base Pair Mismatch Detection Using Cationic Conjugated Polymers through Fluorescence Resonance Energy Transfer. *Macromolecular Rapid Communications*, **2007**, 28, 729-732	4.8	22
98	Simple and sensitive method for detecting point mutations of epidermal growth factor receptor using cationic conjugated polymers. *ACS Applied Materials & Interfaces*, **2011**, 3, 4539-45	9.5	21
97	Conjugated polyelectrolytes as new platforms for drug screening. *Chemistry - an Asian Journal*, **2009**, 4, 1196-206	4.5	21
96	A new light-harvesting conjugated polyelectrolyte microgel for DNA and enzyme detections. *Langmuir*, **2009**, 25, 13737-41	4	21
95	A Fluorescence Ratiometric Protein Assay Using Light-Harvesting Conjugated Polymers. *Macromolecular Rapid Communications*, **2006**, 27, 993-997	4.8	21
94	Conjugated Polymer-Quantum Dot Hybrid Materials for Pathogen Discrimination and Disinfection. *ACS Applied Materials & Interfaces*, **2020**, 12, 21263-21269	9.5	21
93	Preparation of Gemini Surfactant/Conjugated Polymer Aggregates for Enhanced Fluorescence and Bioimaging Application. *ACS Applied Materials & Interfaces*, **2017**, 9, 23544-23554	9.5	20
92	Synthesis of Water-Soluble Dendritic Conjugated Polymers for Fluorescent DNA Assays. *Macromolecular Rapid Communications*, **2006**, 27, 1739-1745	4.8	20
91	DNA hydrogel by multicomponent assembly for encapsulation and killing of cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 11823-8	9.5	19
90	An optical approach for drug screening based on light-harvesting conjugated polyelectrolytes. *Angewandte Chemie - International Edition*, **2009**, 48, 4372-5	16.4	19
89	Two-Photon Absorption of Cationic Conjugated Polyelectrolytes: Effects of Aggregation and Application to 2-Photon-Sensitized Fluorescence from Green Fluorescent Protein. *Chemistry of Materials*, **2017**, 29, 3295-3303	9.6	18
88	Gemini Peptide Amphiphiles with Broad-Spectrum Antimicrobial Activity and Potent Antibiofilm Capacity. *ACS Applied Materials & Interfaces*, **2020**, 12, 17220-17229	9.5	18
87	Conjugated polymer nanoparticles for cell membrane imaging. *Chemistry - an Asian Journal*, **2014**, 9, 3121-4	4.5	18

86	Conjugated Polymer Nanomaterials for Phototherapy of Cancer. *Chemical Research in Chinese Universities*, **2020**, 36, 237-242	2.2	17
85	Soft Particles of Gemini Surfactant/Conjugated Polymer for Enhanced Anticancer Activity of Chemotherapeutics. *ACS Applied Materials & Interfaces*, **2018**, 10, 37-41	9.5	17
84	Synthesis of Zwitterionic Water-Soluble Oligofluorenes with Good Light-Harvesting Ability. *Advanced Functional Materials*, **2010**, 20, 2175-2180	15.6	17
83	In situ self-assembly of conjugated polyelectrolytes for cancer targeted imaging and photodynamic therapy. *Biomaterials Science*, **2020**, 8, 2156-2163	7.4	16
82	Tuning Antibacterial Activity of Cyclodextrin-Attached Cationic Ammonium Surfactants by a Supramolecular Approach. *ACS Applied Materials & Interfaces*, **2017**, 9, 31657-31666	9.5	16
81	Cationic conjugated polymers for detection and inactivation of pathogens. *Science China Chemistry*, **2017**, 60, 1567-1574	7.9	16
80	Design of antibacterial peptide-like conjugated molecule with broad spectrum antimicrobial ability. *Science China Chemistry*, **2018**, 61, 113-117	7.9	16
79	Cyclometalated iridium(iii) complex nanoparticles for mitochondria-targeted photodynamic therapy. *Nanoscale*, **2020**, 12, 14061-14067	7.7	15
78	Electronic Tuning of Mixed Quinoidal-Aromatic Conjugated Polyelectrolytes: Direct Ionic Substitution on Polymer Main-Chains. *Angewandte Chemie - International Edition*, **2019**, 58, 17978-17985	16.4	15
77	Polythiophene–Peptide Biohybrid Assemblies for Enhancing Photoinduced Hydrogen Evolution. *Advanced Electronic Materials*, **2017**, 3, 1700161	6.4	15
76	Signal Amplifying Optical DNA Detection on Solid Support with Fluorescent Conjugated Polymers. *Current Organic Chemistry*, **2011**, 15, 548-556	1.7	15
75	Microorganism-based assemblies of luminescent conjugated polyelectrolytes. *Chemical Communications*, **2008**, 5999-6001	5.8	15
74	Cationic Poly(p-phenylene vinylene) Materials as a Multifunctional Platform for Light-Enhanced siRNA Delivery. *Chemistry - an Asian Journal*, **2016**, 11, 2686-2689	4.5	15
73	Conductive Polymer–Exoelectrogen Hybrid Bioelectrode with Improved Biofilm Formation and Extracellular Electron Transport. *Advanced Electronic Materials*, **2019**, 5, 1900320	6.4	14
72	Conjugated Polymer Nanogel Binding Anticancer Drug through Hydrogen Bonds for Sustainable Drug Delivery.. *ACS Applied Bio Materials*, **2019**, 2, 6012-6020	4.1	14
71	Fluorescence-amplifying assay for irradiated DNA lesions using water-soluble conjugated polymers. *Macromolecular Rapid Communications*, **2009**, 30, 147-51	4.8	13
70	A water-soluble conjugated polymer for protein identification and denaturation detection. *Chemistry - an Asian Journal*, **2010**, 5, 2524-9	4.5	13
69	Antibacterial supramolecular polymers constructed via self-sorting: promoting antibacterial performance and controllable degradation. *Materials Chemistry Frontiers*, **2019**, 3, 806-811	7.8	12

68	Conjugated Polymer Enhanced Photoelectric Response of Self-Circulating Photosynthetic Bioelectrochemical Cell. *ACS Applied Materials & Interfaces*, **2019**, 11, 38993-39000	9.5	12
67	Direct energy transfer from conjugated polymer to DNA intercalated dye: label-free fluorescent DNA detection. *Colloids and Surfaces B: Biointerfaces*, **2011**, 85, 8-11	6	12
66	Photoactive Oligo(p-phenylenevinylene) Functionalized with Phospholipid Units for Control and Visualization of Delivery into Living Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 27555-27561	9.5	11
65	Supramolecular Germicide Switches through Host-Guest Interactions for Decelerating Emergence of Drug-Resistant Pathogens. *ChemistrySelect*, **2017**, 2, 7940-7945	1.8	11
64	Conjugated Polymer with Intrinsic Alkyne Units for Synergistically Enhanced Raman Imaging in Living Cells. *Angewandte Chemie*, **2017**, 129, 13640-13643	3.6	10
63	Reactive Amphiphilic Conjugated Polymers for Inhibiting Amyloid Assembly. *Angewandte Chemie*, **2019**, 131, 6049-6054	3.6	10
62	Dual-Modal Probe Based on Polythiophene Derivative for Pre- and Intraoperative Mapping of Lymph Nodes by SPECT/Optical Imaging. *ACS Applied Materials & Interfaces*, **2018**, 10, 6646-6651	9.5	10
61	Synthesis of a new conjugated polymer for DNA alkylation and gene regulation. *ACS Applied Materials & Interfaces*, **2013**, 5, 4549-54	9.5	10
60	Water-dispersed quantum dots of coordination polymers with strong photoluminescence. *Chemical Communications*, **2012**, 48, 6166-8	5.8	10
59	Preparation and optical property of new fluorescent nanoparticles. *Macromolecular Rapid Communications*, **2013**, 34, 736-42	4.8	10
58	Synthesis of a new cationic non-conjugated polymer for discrimination of microbial pathogens. *Polymer Chemistry*, **2016**, 7, 6699-6702	4.9	10
57	Photoactive Conjugated Polymer-Based Hybrid Biosystems for Enhancing Cyanobacterial Photosynthesis and Regulating Redox State of Protein. *Advanced Functional Materials*, **2021**, 31, 2007814	15.6	10
56	Integration of Self-Luminescence and Oxygen Self-Supply: A Potential Photodynamic Therapy Strategy for Deep Tumor Treatment. *ChemPlusChem*, **2020**, 85, 510-518	2.8	9
55	Regulation of oxidative stress inside living cells through polythiophene derivatives. *Chinese Chemical Letters*, **2016**, 27, 545-549	8.1	9
54	Multi-Colored Fibers by Self-Assembly of DNA, Histone Proteins, and Cationic Conjugated Polymers. *Angewandte Chemie*, **2014**, 126, 434-438	3.6	9
53	Fabrication of a well ordered microspheres film for efficient antibacterial activity. *Chemical Communications*, **2011**, 47, 7644-6	5.8	9
52	Water-Soluble Conjugated Polyelectrolyte-Based Fluorescence Enzyme Coupling Protocol for Continuous and Sensitive Galactosidase Detection. *Macromolecular Chemistry and Physics*, **2009**, 210, 1188-1193	2.6	9
51	Macromolecular self-assembly and nanotechnology in China. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120305	3	8

50	Synthesis of a Bifunctional Fluorescent Polymer for Cell Imaging and Enzyme Detection. *Macromolecular Chemistry and Physics*, **2012**, 213, 2486-2491	2.6	8
49	Synthesis and Characterization of Degradable Water-Soluble Fluorescent Polymers. *Macromolecules*, **2010**, 43, 10196-10200	5.5	8
48	Cationic conjugated polymers for homogeneous and sensitive fluorescence detection of hyaluronidase. *Science in China Series B: Chemistry*, **2009**, 52, 827-832		8
47	Assembly of Anionic Conjugated Polymer with 6-O-Modified PNP-□Galactoside for Fluorescence Logic-signal-based Multiplex Detections of Enzymes. *Macromolecular Rapid Communications*, **2010**, 31, 1473-8	4.8	8
46	F□ster Resonance Energy Transfer Mediated Rapid and Synergistic Discrimination of Bacteria over Fungi Using a Cationic Conjugated Glycopolymer.. *ACS Applied Bio Materials*, **2020**, 3, 20-28	4.1	8
45	Supramolecular conjugated polymer materials for organelle imaging in living cells. *Materials Chemistry Frontiers*, **2017**, 1, 1768-1772	7.8	7
44	Boronic Acid-Functionalized Conjugated Polymer for Controllable Cell Membrane Imaging.. *ACS Applied Bio Materials*, **2019**, 2, 1787-1791	4.1	7
43	ROS self-scavenging polythiophene materials for cell imaging. *Polymer Chemistry*, **2015**, 6, 8244-8247	4.9	7
42	Conjugated Polymer Nanoparticles with Appended Photo-Responsive Units for Controlled Drug Delivery, Release, and Imaging. *Angewandte Chemie*, **2018**, 130, 13298-13303	3.6	7
41	Polarity Conversion of Conjugated Polymer for Lysosome Escaping. *ACS Applied Materials & Interfaces*, **2017**, 9, 27427-27432	9.5	7
40	Conjugated polyelectrolyte materials for promoting progenitor cell growth without serum. *Scientific Reports*, **2013**, 3, 1702	4.9	7
39	Magnetically assisted fluorescence ratiometric assays for adenosine deaminase using water-soluble conjugated polymers. *Science Bulletin*, **2009**, 54, 1340-1344	10.6	7
38	3D printing of artificial skin patches with bioactive and optically active polymer materials for anti-infection and augmenting wound repair. *Materials Horizons*, **2021**,	14.4	7
37	Photoelectrochemical Strategy for Discrimination of Microbial Pathogens Using Conjugated Polymers. *Chemistry - an Asian Journal*, **2018**, 13, 3469-3473	4.5	6
36	Multiplex Detection of DNA Mutations by the Fluorescence Fingerprint Spectrum Technique. *Angewandte Chemie*, **2013**, 125, 13258-13261	3.6	6
35	Convenient, sensitive and high-throughput method for screening botanic origin. *Scientific Reports*, **2014**, 4, 5395	4.9	5
34	Cationic conjugated polymers for enhancing beneficial bacteria adhesion and biofilm formation in gut microbiota. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110815	6	5
33	Protonation process of conjugated polyelectrolytes on enhanced power conversion efficiency in the inverted polymer solar cells. *Journal of Photonics for Energy*, **2014**, 4, 043099	1.2	5

32	Versatile Fluorescent Conjugated Polyelectrolyte-Capped Mesoporous Silica Nanoparticles for Controlled Drug Delivery and Imaging. *ChemPlusChem*, **2013**, 78, 656-662	2.8	5
31	Photoactive conjugated polymer/graphdiyne nanocatalyst for CO2 reduction to CO in living cells for hypoxia tumor treatment. *Materials Chemistry Frontiers*, **2021**, 5, 5841-5845	7.8	5
30	Solar-Powered Organic Semiconductor–Bacteria Biohybrids for CO2 Reduction into Acetic Acid. *Angewandte Chemie*, **2020**, 132, 7291-7296	3.6	4
29	An intracellular anchor regulates the distribution of bioactive molecules. *Chemical Communications*, **2016**, 52, 11004-7	5.8	4
28	Oligo(p-phenyleneethynylene) Derivatives for Mitochondria Targeting in Living Cells through Bioorthogonal Reactions. *Chemistry of Materials*, **2018**, 30, 5544-5549	9.6	4
27	An Optoelectronic Device for Rapid Monitoring of Creatine Kinase Using Cationic Conjugated Polyelectrolyte. *Advanced Materials Technologies*, **2019**, 4, 1900361	6.8	4
26	Sensing Applications via Energy Transfer from Conjugated Polyelectrolytes **2013**, 201-229		3
25	Rapid, Simple, and High-Throughput Antimicrobial Susceptibility Testing and Antibiotics Screening. *Angewandte Chemie*, **2011**, 123, 9781-9784	3.6	3
24	A cationic tetrahedral chromophore for amplified DNA detection. *Tetrahedron Letters*, **2006**, 47, 437-4392		3
23	Organic Semiconductor-Organism Interfaces for Augmenting Natural and Artificial Photosynthesis.. *Accounts of Chemical Research*, **2021**,	24.3	3
22	Conjugated polymer nanoparticles as fluorescence switch for selective cell imaging. *Chinese Chemical Letters*, **2020**, 31, 755-758	8.1	3
21	Photocontrolled RAFT Polymerization Catalyzed by Conjugated Polymers under Aerobic Aqueous Conditions.. *ACS Macro Letters*, **2021**, 10, 996-1001	6.6	3
20	Biohybrid Conjugated Polymer Materials for Augmenting Energy Conversion of Bioelectrochemical Systems. *Chemistry - A European Journal*, **2020**, 26, 15065-15073	4.8	2
19	MDR1-targeted siRNA delivery with cationic dendritic conjugated polymers. *Science Bulletin*, **2013**, 58, 2762-2766		2
18	Multiplex detection of KRAS and BRAF mutations using cationic conjugated polymers. *Science Bulletin*, **2013**, 58, 873-878		2
17	Selective biocompatibility and responsive imaging property of cationic conjugated polyelectrolyte to cancer cells. *Chinese Chemical Letters*, **2017**, 28, 1975-1978	8.1	2
16	Protein-assisted conjugated polymer microarray: Fabrication and sensing applications. *Science Bulletin*, **2013**, 58, 4039-4044		2
15	3D Bioprinting of Reinforced Vessels by Dual-Cross-linked Biocompatible Hydrogels.. *ACS Applied Bio Materials*, **2021**, 4, 4549-4556	4.1	2

14	Solar-Driven Producing of Value-Added Chemicals with Organic Semiconductor-Bacteria Biohybrid System.. *Research*, **2022**, 2022, 9834093	7.8	2
13	Conjoint Analysis of DNA Methylation for Tumor Differentiation Using Cationic Conjugated Polymers.. *ACS Applied Bio Materials*, **2020**, 3, 2867-2872	4.1	1
12	An Optical Approach for Drug Screening Based on Light-Harvesting Conjugated Polyelectrolytes. *Angewandte Chemie*, **2009**, 121, 4436-4439	3.6	1
11	Charged Conjugated Polymers. *Soft and Biological Matter*, **2012**, 125-150	0.8	1
10	3D Bioprinting of Polythiophene Materials for Promoting Stem Cell Proliferation in a Nutritionally Deficient Environment. *ACS Applied Materials & Interfaces*, **2021**, 13, 25759-25770	9.5	1
9	Electronic Tuning of Mixed Quinoidal-Aromatic Conjugated Polyelectrolytes: Direct Ionic Substitution on Polymer Main-Chains. *Angewandte Chemie*, **2019**, 131, 18146-18153	3.6	1
8	Fluorescence Imaging of Mammalian Cells with Cationic Conjugated Polyelectrolytes. *ChemPhotoChem*, **2021**, 5, 123-130	3.3	1
7	Synthesis of amphiphilic poly(fluorene) derivatives for selective imaging of Staphylococcus aureus. *Science Bulletin*, **2018**, 63, 900-906	10.6	1
6	A Rapid, Visible, and Highly Sensitive Method for Recognizing and Distinguishing Invasive Fungal Infections via CCP-FRET Technology. *ACS Infectious Diseases*, **2021**, 7, 2816-2825	5.5	1
5	Nature-inspired nanothylakoids for multimodal cancer therapeutics. *Science China Materials*,1	7.1	1
4	Conjugated Polymers for Gene Delivery and Photothermal Gene Expression.. *ChemPlusChem*, **2022**, 87, e202200073	2.8	1
3	Conjugated Polymers for Photodynamic Therapy **2018**, 269-294		
2	Biomacromolecule Delivery System Based on Functionalized Conjugated Polyelectrolytes. *Springer Briefs in Molecular Science*, **2013**, 57-63	0.6	
1	Therapeutic Applications of Functionalized Conjugated Polyelectrolytes. *Springer Briefs in Molecular Science*, **2013**, 69-86	0.6	