

# Yanli Tang

## List of Publications by Year in descending order

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68  
papers

3,777  
citations

126907

33  
h-index

123424

61  
g-index

69  
all docs

69  
docs citations

69  
times ranked

3917  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent Amplifying Recognition for DNA G-Quadruplex Folding with a Cationic Conjugated Polymer: A Platform for Homogeneous Potassium Detection. <i>Journal of the American Chemical Society</i> , 2005, 127, 12343-12346.	13.7	396
2	Optical Detection of Mercury(II) in Aqueous Solutions by Using Conjugated Polymers and Label-Free Oligonucleotides. <i>Advanced Materials</i> , 2007, 19, 1471-1474.	21.0	331
3	Fluorescence Turn-On Detection of DNA and Label-Free Fluorescence Nuclease Assay Based on the Aggregation-Induced Emission of Silole. <i>Analytical Chemistry</i> , 2008, 80, 6443-6448.	6.5	231
4	A Reversible and Highly Selective Fluorescent Sensor for Mercury(II) Using Poly(thiophene)s that Contain Thymine Moieties. <i>Macromolecular Rapid Communications</i> , 2006, 27, 389-392.	3.9	192
5	Direct Visualization of Enzymatic Cleavage and Oxidative Damage by Hydroxyl Radicals of Single-Stranded DNA with a Cationic Polythiophene Derivative. <i>Journal of the American Chemical Society</i> , 2006, 128, 14972-14976.	13.7	186
6	Continuous Fluorometric Assays for Acetylcholinesterase Activity and Inhibition with Conjugated Polyelectrolytes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7882-7886.	13.8	151
7	Lipid-modified conjugated polymernanoparticles for cell imaging and transfection. <i>Journal of Materials Chemistry</i> , 2010, 20, 1312-1316.	6.7	135
8	Quadruplex-to-Duplex Transition of G-Rich Oligonucleotides Probed by Cationic Water-Soluble Conjugated Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2006, 128, 6764-6765.	13.7	120
9	Cationic Conjugated Polymer/DNA Complexes for Amplified Fluorescence Assays of Nucleases and Methyltransferases. <i>Advanced Materials</i> , 2007, 19, 3490-3495.	21.0	107
10	Water-soluble conjugated polymers for continuous and sensitive fluorescence assays for phosphatase and peptidase. <i>Journal of Materials Chemistry</i> , 2007, 17, 4147.	6.7	102
11	Direct Visualization of Bactericidal Action of Cationic Conjugated Polyelectrolytes and Oligomers. <i>Langmuir</i> , 2012, 28, 65-70.	3.5	93
12	Functionalized Oligo(phenylene ethynylene)s: Synthesis, Photophysical and Biocidal Activity. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3207-3212.	4.6	82
13	Membrane Perturbation Activity of Cationic Phenylene Ethynylene Oligomers and Polymers: Selectivity against Model Bacterial and Mammalian Membranes. <i>Langmuir</i> , 2010, 26, 12509-12514.	3.5	72
14	Light-Induced Antibacterial Activity of Symmetrical and Asymmetrical Oligophenylene Ethynylenes. <i>Langmuir</i> , 2011, 27, 4956-4962.	3.5	68
15	Cationic Phenylene Ethynylene Polymers and Oligomers Exhibit Efficient Antiviral Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2209-2214.	8.0	67
16	Synthesis, Self-Assembly, and Photophysical Properties of Cationic Oligo(phenyleneethynylene)s. <i>Langmuir</i> , 2011, 27, 4945-4955.	3.5	67
17	Cationic Oligo(thiophene ethynylene) with Broad-Spectrum and High Antibacterial Efficiency under White Light and Specific Biocidal Activity against <i>S. aureus</i> in Dark. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1019-1024.	8.0	66
18	Multiply Configurable Optical-Logic Systems Based on Cationic Conjugated Polymer/DNA Assemblies. <i>Advanced Materials</i> , 2006, 18, 2105-2110.	21.0	60

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19	Synthesis, Self-Assembly, and Photophysical Behavior of Oligo Phenylene Ethynyls: From Molecular to Supramolecular Properties. <i>Langmuir</i> , 2009, 25, 21-25.	3.5	55
20	Direct Visualization of Glucose Phosphorylation with a Cationic Polythiophene. <i>Advanced Materials</i> , 2008, 20, 703-705.	21.0	51
21	Strategy for Sensor Based on Fluorescence Emission Red Shift of Conjugated Polymers: Applications in pH Response and Enzyme Activity Detection. <i>Analytical Chemistry</i> , 2013, 85, 825-830.	6.5	46
22	NIR-Mediated Nanohybrids of Upconversion Nanophosphors and Fluorescent Conjugated Polymers for High-Efficiency Antibacterial Performance Based on Fluorescence Resonance Energy Transfer. <i>Advanced Healthcare Materials</i> , 2016, 5, 2967-2971.	7.6	45
23	Water-Soluble Conjugated Polymer as a Platform for Adenosine Deaminase Sensing Based on Fluorescence Resonance Energy Transfer Technique. <i>Analytical Chemistry</i> , 2014, 86, 6433-6438.	6.5	43
24	Effect of Polymer Chain Length on Membrane Perturbation Activity of Cationic Phenylene Ethynylene Oligomers and Polymers. <i>Langmuir</i> , 2011, 27, 10770-10775.	3.5	42
25	Dark Antimicrobial Mechanisms of Cationic Phenylene Ethynylene Polymers and Oligomers against <i>Escherichia coli</i> . <i>Polymers</i> , 2011, 3, 1199-1214.	4.5	41
26	Amino Acid-Modified Conjugated Oligomer Self-Assembly Hydrogel for Efficient Capture and Specific Killing of Antibiotic-Resistant Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16320-16327.	8.0	41
27	A sensitive biosensor with a DNzyme for lead(II) detection based on fluorescence turn-on. <i>Analyst</i> , 2015, 140, 4642-4647.	3.5	40
28	Multifunctional Probe Based on Cationic Conjugated Polymers for Nitroreductase-Related Analysis: Sensing, Hypoxia Diagnosis, and Imaging. <i>Analytical Chemistry</i> , 2017, 89, 5503-5510.	6.5	39
29	Enhanced Energy Transfer in a Donor-Acceptor Photosensitizer Triggers Efficient Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38467-38474.	8.0	39
30	Highly Selective Fluorescence Detection for Mercury (II) Ions in Aqueous Solution Using Water Soluble Conjugated Polyelectrolytes. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1467-1471.	3.9	38
31	Phosphorylation-induced hybridization chain reaction on beads: an ultrasensitive flow cytometric assay for the detection of T4 polynucleotide kinase activity. <i>Chemical Communications</i> , 2015, 51, 5832-5835.	4.1	38
32	Efficient Antibacterial Performance and Effect of Structure on Property Based on Cationic Conjugated Polymers. <i>Macromolecules</i> , 2018, 51, 7239-7247.	4.8	38
33	Novel Fluorescent Biosensor for $\alpha$ -Glucosidase Inhibitor Screening Based on Cationic Conjugated Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3773-3778.	8.0	37
34	Radical Scavenging Mediating Reversible Fluorescence Quenching of an Anionic Conjugated Polymer: A Highly Sensitive Probe for Antioxidants. <i>Chemistry of Materials</i> , 2006, 18, 3605-3610.	6.7	33
35	Non-Ionic Water-Soluble Crown-Ether-Substituted Polyfluorene as Fluorescent Probe for Lead Ion Assays. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1333-1338.	3.9	31
36	A new conjugated polymer-based combination probe for ATP detection using a multisite-binding and FRET strategy. <i>Chemical Communications</i> , 2017, 53, 9414-9417.	4.1	31

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37	Conjugated Polymers-Based Thermal-Responsive Nanoparticles for Controlled Drug Delivery, Tracking, and Synergistic Photodynamic Therapy/Chemotherapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 4485-4492.	4.6	30
38	A ratiometric fluorescent biosensor based on conjugated polymers for sensitive detection of nitroreductase and hypoxia diagnosis in tumor cells. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128257.	7.8	30
39	Fluorescent Conjugated Polymer/Quarternary Ammonium Salt Co-assembly Nanoparticles: Applications in Highly Effective Antibacteria and Bioimaging. <i>ACS Applied Bio Materials</i> , 2018, 1, 1478-1486.	4.6	29
40	Universal fluorometric aptasensor platform based on water-soluble conjugated polymers/graphene oxide. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 287-295.	3.7	23
41	A Retrospective: 10 Years of Oligo(phenylene-ethynylene) Electrolytes: Demystifying Nanomaterials. <i>Langmuir</i> , 2019, 35, 307-325.	3.5	23
42	On-Demand Antimicrobial Agent Release from Functionalized Conjugated Oligomer-Hyaluronic Acid Nanoparticles for Tackling Antimicrobial Resistance. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 257-265.	8.0	23
43	A Fluorescence Ratiometric Protein Assay Using Light-Harvesting Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , 2006, 27, 993-997.	3.9	22
44	Single Base Pair Mismatch Detection Using Cationic Conjugated Polymers through Fluorescence Resonance Energy Transfer. <i>Macromolecular Rapid Communications</i> , 2007, 28, 729-732.	3.9	22
45	A strategy for antimicrobial regulation based on fluorescent conjugated oligomer-DNA hybrid hydrogels. <i>Chemical Communications</i> , 2013, 49, 5574.	4.1	22
46	A cationic conjugated polymer with high 808 nm NIR-triggered photothermal conversion for antibacterial treatment. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2600-2607.	5.5	22
47	Synthesis of Water-Soluble Dendritic Conjugated Polymers for Fluorescent DNA Assays. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1739-1745.	3.9	21
48	Label-free and Real-Time Sequence Specific DNA Detection Based on Supramolecular Self-assembly. <i>Langmuir</i> , 2010, 26, 6832-6837.	3.5	20
49	ROS-Responsive and active targeted drug delivery based on conjugated polymer nanoparticles for synergistic chemo-/photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2240-2248.	5.8	20
50	Adenosine Deaminase Biosensor Combining Cationic Conjugated Polymer-Based FRET with Deoxyguanosine-Based Photoinduced Electron Transfer. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21686-21691.	8.0	19
51	A Strategy for the Detection of Diels-Alder Reactions Using Fluorescence Quenching of Conjugated Polymers. <i>Advanced Functional Materials</i> , 2007, 17, 996-1002.	14.9	18
52	Ultra-Rapid Detection of Endogenous Nitric Oxide Based on Fluorescent Conjugated Polymers Probe. <i>Analytical Chemistry</i> , 2018, 90, 12663-12669.	6.5	16
53	Photophysics and self-assembly of symmetrical and unsymmetrical cationic oligophenylene ethynylenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 207, 4-6.	3.9	14
54	Cationic conjugated polymers as signal reporter for label-free assay based on targets-mediated aggregation of perylene diimide quencher. <i>Chinese Chemical Letters</i> , 2018, 29, 305-308.	9.0	14

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55	Reversible logic gate modulated by nucleases based on cationic conjugated polymer/DNA assembly. <i>Polymer Chemistry</i> , 2013, 4, 5206.	3.9	13
56	Conjugated oligomer-based ultrasensitive fluorescent biosensor for activatable imaging of endogenous NQO1 with High catalytic efficiency in cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127981.	7.8	13
57	Label-Free Fluorescence Assay of S1 Nuclease and Hydroxyl Radicals Based on Water-Soluble Conjugated Polymers and WS2 Nanosheets. <i>Sensors</i> , 2016, 16, 865.	3.8	12
58	Rapid Evaluation of the Antibacterial Activity of Arylene-ethynylene Compounds. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2938-2943.	8.0	11
59	CO/light dual-activatable Ru(II)-conjugated oligomer agent for lysosome-targeted multimodal cancer therapeutics. <i>Chemical Science</i> , 2021, 12, 11515-11524.	7.4	11
60	New High-Throughput Screening Protease Assay Based upon Supramolecular Self-assembly. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 162-170.	8.0	10
61	A Ratiometric Fluorescent Conjugated Oligomer for Amyloid $\beta^2$ Recognition, Aggregation Inhibition, and Detoxification. <i>Small</i> , 2021, 17, e2104581.	10.0	9
62	A fluorescent film sensor for high-performance detection of <i>Listeria monocytogenes</i> via vapor sampling. <i>Aggregate</i> , 2023, 4, .	9.9	8
63	Bioactive Composite Nanoparticles for Effective Microenvironment Regulation, Neuroprotection, and Cell Differentiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 15623-15631.	8.0	6
64	Label-free aptasensor for adenosine deaminase sensing based on fluorescence turn-on. <i>Analyst</i> , The, 2015, 140, 1192-1197.	3.5	3
65	Cellulose mediated conjugated polymer nanoparticles with enhanced fluorescence efficiency for bioimaging. <i>Chinese Journal of Analytical Chemistry</i> , 2022, 50, 32-37.	1.7	2
66	Multifunctional fluorescent probe for effective visualization, inhibition, and detoxification of $\beta^2$ -amyloid aggregation via covalent binding. <i>Chemical Communications</i> , 2022, 58, 3957-3960.	4.1	2
67	Combatting Antibiotic Resistance Using Supramolecular Assemblies. <i>Pharmaceuticals</i> , 2022, 15, 804.	3.8	2
68	Antibacterial Fischer Carbenoid CO-Releasing Molecules. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 2695.	1.3	1