

# Ying Tan

## List of Publications by Year in descending order

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82  
papers

3,168  
citations

186209

28  
h-index

168321

53  
g-index

84  
all docs

84  
docs citations

84  
times ranked

4479  
citing authors

#	ARTICLE	IF	CITATIONS
1	AggMapNet: enhanced and explainable low-sample omics deep learning with feature-aggregated multi-channel networks. <i>Nucleic Acids Research</i> , 2022, 50, e45-e45.	6.5	9
2	Fluorescence Analysis of Circulating Exosomes for Breast Cancer Diagnosis Using a Sensor Array and Deep Learning. <i>ACS Sensors</i> , 2022, 7, 1524-1532.	4.0	27
3	Molecular Design and Photothermal Application of Thienoisindigo Dyes with Aggregation-Induced Emission. <i>ACS Applied Bio Materials</i> , 2022, 5, 3428-3437.	2.3	7
4	MASI: microbiota active substance interactions database. <i>Nucleic Acids Research</i> , 2021, 49, D776-D782.	6.5	28
5	Conjugated Polymer Nanoparticles Based on Copper Coordination for Real-Time Monitoring of pH-Responsive Drug Delivery. <i>ACS Applied Bio Materials</i> , 2021, 4, 2583-2590.	2.3	12
6	Near-Infrared Thienoisindigos with Aggregation-Induced Emission: Molecular Design, Optical Performance, and Bioimaging Application. <i>Analytical Chemistry</i> , 2021, 93, 3378-3385.	3.2	28
7	Out-of-the-box deep learning prediction of pharmaceutical properties by broadly learned knowledge-based molecular representations. <i>Nature Machine Intelligence</i> , 2021, 3, 334-343.	8.3	66
8	Improved Therapeutic Efficiency against Obesity through Transdermal Drug Delivery Using Microneedle Arrays. <i>Pharmaceutics</i> , 2021, 13, 827.	2.0	16
9	Discrimination of Powdered Infant Formula According to Species, Country of Origin, and Brand Using a Fluorescent Sensor Array. <i>ACS Food Science &amp; Technology</i> , 2021, 1, 1392-1398.	1.3	2
10	One-Pot Simultaneous Detection of Multiple DNA and MicroRNA by Integrating the Cationic-Conjugated Polymer and Nuclease-Assisted Cyclic Amplification. <i>ACS Applied Bio Materials</i> , 2021, 4, 820-828.	2.3	7
11	Unveiling the Molecular Dynamics in a Living Cell to the Subcellular Organelle Level Using Second-Harmonic Generation Spectroscopy and Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 14146-14152.	3.2	10
12	Combining kinase inhibitors for optimally co-targeting cancer and drug escape by exploitation of drug target promiscuities. <i>Drug Development Research</i> , 2021, 82, 133-142.	1.4	0
13	Therapeutic target database 2020: enriched resource for facilitating research and early development of targeted therapeutics. <i>Nucleic Acids Research</i> , 2020, 48, D1031-D1041.	6.5	488
14	Magnetic bead-gold nanoparticle hybrids probe based on optically countable gold nanoparticles with dark-field microscope for T4 polynucleotide kinase activity assay. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111936.	5.3	22
15	Construction and bioimaging application of novel indole heptamethine cyanines containing functionalized tetrahydropyridine rings. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9906-9912.	2.9	23
16	Zeptomolar-level one-pot simultaneous detection of multiple colorectal cancer microRNAs by cascade isothermal amplification. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112631.	5.3	19
17	A biotin-guided hydrogen sulfide fluorescent probe and its application in living cell imaging. <i>RSC Advances</i> , 2020, 10, 36135-36140.	1.7	9
18	Highly Selective Oxidation of Organic Sulfides by a Conjugated Polymer as the Photosensitizer for Singlet Oxygen Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35475-35481.	4.0	38

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19	Fluorescent switch based on dithienylethene with dansulfonamide in multimediu. <i>Dyes and Pigments</i> , 2020, 181, 108546.	2.0	13
20	Databases for facilitating mechanistic investigations of traditional Chinese medicines against COVID-19. <i>Pharmacological Research</i> , 2020, 159, 104989.	3.1	11
21	Improved Prediction of Aqueous Solubility of Novel Compounds by Going Deeper With Deep Learning. <i>Frontiers in Oncology</i> , 2020, 10, 121.	1.3	49
22	Poly(fluorenone- <i>co</i> -thiophene)-based nanoparticles for two-photon fluorescence imaging in living cells and tissues. <i>RSC Advances</i> , 2020, 10, 12373-12377.	1.7	3
23	Tissue Imaging of Glutathione-Specific Naphthalimide-Cyanine Dye with Two-Photon and Near-Infrared Manners. <i>Analytical Chemistry</i> , 2019, 91, 11343-11348.	3.2	45
24	Fluorophore-Labeling Tetraphenylethene Dyes Ranging from Visible to Near-Infrared Region: AIE Behavior, Performance in Solid State, and Bioimaging in Living Cells. <i>Journal of Organic Chemistry</i> , 2019, 84, 14498-14507.	1.7	35
25	Label-free fluorescence detection of circulating microRNAs based on duplex-specific nuclease-assisted target recycling coupled with rolling circle amplification. <i>Talanta</i> , 2019, 200, 480-486.	2.9	19
26	One-Step Construction of Fluorenone-Based Donor-Acceptor-Type Conjugated Polymers via Direct Arylation Polymerization for Cell-Imaging Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28246-28253.	4.0	13
27	A novel near-infrared fluorescent hydrogen sulfide probe for live cell and tissue imaging. <i>New Journal of Chemistry</i> , 2019, 43, 6848-6855.	1.4	34
28	Photodynamic therapy based on organic small molecular fluorescent dyes. <i>Chinese Chemical Letters</i> , 2019, 30, 1689-1703.	4.8	89
29	Drug sales confirm clinical advantage of multi-target inhibition of drug escapes by anticancer kinase inhibitors. <i>Drug Development Research</i> , 2019, 80, 246-252.	1.4	1
30	CMAUP: a database of collective molecular activities of useful plants. <i>Nucleic Acids Research</i> , 2019, 47, D1118-D1127.	6.5	68
31	Core-shell assay based aptasensor for sensitive and selective thrombin detection using dark-field microscopy. <i>Talanta</i> , 2018, 182, 348-353.	2.9	11
32	NPASS: natural product activity and species source database for natural product research, discovery and tool development. <i>Nucleic Acids Research</i> , 2018, 46, D1217-D1222.	6.5	177
33	A sensitive colorimetric aptasensor based on trivalent peroxidase-mimic DNAzyme and magnetic nanoparticles. <i>Analytica Chimica Acta</i> , 2018, 1018, 86-93.	2.6	46
34	A Visible and Near-Infrared, Dual-Channel Fluorescence-On Probe for Selectively Tracking Mitochondrial Glutathione. <i>CheM</i> , 2018, 4, 1609-1628.	5.8	161
35	Conjugated polyelectrolytes with a label-free aptamer for specific protein photoinactivation. <i>Analytical Methods</i> , 2018, 10, 2205-2210.	1.3	2
36	A one-step synthesized acridine-based fluorescent chemosensor for selective detection of copper(II) ions and living cell imaging. <i>New Journal of Chemistry</i> , 2018, 42, 613-618.	1.4	33

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37	Efficient photocatalytic oxidation sensitized by conjugated polymers in a batch reaction and microreactors under visible light. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15927-15932.	5.2	14
38	A New Strategy Involving the Use of Peptides and Graphene Oxide for Fluorescence Turn-on Detection of Proteins. <i>Sensors</i> , 2018, 18, 385.	2.1	8
39	Sensitive and Selective Immunofluorescence Assay for CA15-3 Detection Using Fluorescein Derivative A10254. <i>Protein and Peptide Letters</i> , 2018, 25, 776-782.	0.4	3
40	An iminodiacetate-modified conjugated polyelectrolyte for fluorescent labeling of histidine-tagged proteins. <i>Chemical Communications</i> , 2017, 53, 4191-4194.	2.2	6
41	Light-Induced Translocation of a Conjugated Polyelectrolyte in Cells: From Fluorescent Probe to Anticancer Agent. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10512-10518.	4.0	19
42	A dual-response quinoline-based fluorescent sensor for the detection of Copper (II) and Iron(III) ions in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 765-774.	4.0	124
43	Database and Bioinformatics Studies of Probiotics. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7599-7606.	2.4	18
44	Recent advances in formaldehyde-responsive fluorescent probes. <i>Chinese Chemical Letters</i> , 2017, 28, 1935-1942.	4.8	100
45	A fluorescent aptasensor with product-triggered amplification by exonuclease III digestion for highly sensitive ATP detection. <i>Analytical Methods</i> , 2017, 9, 4837-4842.	1.3	24
46	Molecular weight analysis of water-soluble poly(phenylene ethynylene)s using MALDI-TOF MS. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2537-2543.	2.5	7
47	The Optimization and Characterization of an RNA-Cleaving Fluorogenic DNAzyme Probe for MDA-MB-231 Cell Detection. <i>Sensors</i> , 2017, 17, 650.	2.1	4
48	HEROD: a human ethnic and regional specific omics database. <i>Bioinformatics</i> , 2017, 33, 3276-3282.	1.8	3
49	UBE2J2 promotes hepatocellular carcinoma cell epithelial-mesenchymal transition and invasion <i>in vitro</i> . <i>Oncotarget</i> , 2017, 8, 71736-71749.	0.8	6
50	A simple benzimidazole quinoline-conjugate fluorescent chemosensor for highly selective detection of Ag <sup>+</sup> . <i>Tetrahedron</i> , 2016, 72, 3980-3985.	1.0	22
51	Fluorescence array-based sensing of nitroaromatics using conjugated polyelectrolytes. <i>Analyst</i> , 2016, 141, 3242-3245.	1.7	12
52	An efficient quinoline-based fluorescence sensor for zinc(II) and its application in live-cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 616-624.	4.0	70
53	Protrusion-localized STAT3 mRNA promotes metastasis of highly metastatic hepatocellular carcinoma cells <i>in vitro</i> . <i>Acta Pharmacologica Sinica</i> , 2016, 37, 805-813.	2.8	9
54	A sensitive polymeric dark quencher-based sensing platform for fluorescence "turn on" detection of proteins. <i>RSC Advances</i> , 2016, 6, 42443-42446.	1.7	6

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55	A simple quinoline-derived fluorescent sensor for the selective and sequential detection of copper( $\text{Cu}^{2+}$ ) and sulfide ions and its application in living-cell imaging. <i>RSC Advances</i> , 2016, 6, 77508-77514.	1.7	24
56	Simultaneous bioimaging recognition of $\text{Al}^{3+}$ and $\text{Cu}^{2+}$ in living-cell, and further detection of $\text{F}_2^{\text{As}^-}$ and $\text{S}_2^{\text{As}^-}$ by a simple fluorogenic benzimidazole-based chemosensor. <i>Talanta</i> , 2016, 161, 309-319.	2.9	84
57	Conjugated Polyelectrolyte Nanoparticles for Apoptotic Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21984-21989.	4.0	18
58	Proteolysis targeting peptide (PROTAP) strategy for protein ubiquitination and degradation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 936-940.	1.0	9
59	Sensitive Conjugated-Polymer-Based Fluorescent ATP Probes and Their Application in Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3567-3574.	4.0	47
60	The Assessment of the Readiness of Molecular Biomarker-Based Mobile Health Technologies for Healthcare Applications. <i>Scientific Reports</i> , 2015, 5, 17854.	1.6	15
61	A simple and novel amide ligand based on quinoline derivative used for palladium-catalyzed Suzuki coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2015, 794, 27-32.	0.8	15
62	Fluorescence Array-Based Sensing of Metal Ions Using Conjugated Polyelectrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6882-6888.	4.0	82
63	Highly Specific Recognition of Breast Tumors by an RNA-Cleaving Fluorogenic DNAzyme Probe. <i>Analytical Chemistry</i> , 2015, 87, 569-577.	3.2	48
64	Understanding Resistance Mechanism of Protoporphyrinogen Oxidase-Inhibiting Herbicides: Insights from Computational Mutation Scanning and Site-Directed Mutagenesis. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 7209-7215.	2.4	29
65	Mutation of the conserved GRG motif and decreasing activity of human RNase H2. <i>Open Life Sciences</i> , 2014, 10, .	0.6	0
66	Diazobenzene-containing conjugated polymers as dark quenchers. <i>Chemical Communications</i> , 2013, 49, 11379.	2.2	22
67	Design and synthesis of 1-(benzothiazol-5-yl)-1H-1,2,4-triazol-5-ones as protoporphyrinogen oxidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3245-3255.	1.4	34
68	A real-time fluorescence turn-on assay for trypsin based on a conjugated polyelectrolyte. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1402.	2.9	19
69	Quantitative Structural Insight into Human Variegate Porphyria Disease. <i>Journal of Biological Chemistry</i> , 2013, 288, 11731-11740.	1.6	37
70	Computational and Experimental Insights into the Mechanism of Substrate Recognition and Feedback Inhibition of Protoporphyrinogen Oxidase. <i>PLoS ONE</i> , 2013, 8, e69198.	1.1	26
71	Site-directed Mutagenesis Study of the Ile140 in Conserved Hydrophobic Core of Bcl-xL. <i>Protein and Peptide Letters</i> , 2012, 19, 991-996.	0.4	4
72	Conjugated Polymer-Based Real-Time Fluorescence Caspase Assays. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 405-410.	4.0	18

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73	Continuous and Sensitive Acid Phosphatase Assay Based on a Conjugated Polyelectrolyte. ACS Applied Materials & Interfaces, 2012, 4, 3784-3787.	4.0	46
74	Label-free fluorescent assays based on aptamerâ€‘target recognition. Analyst, The, 2012, 137, 2309.	1.7	23
75	Structureâ€‘activity relationships of diphenyl-ether as protoporphyrinogen oxidase inhibitors: insights from computational simulations. Journal of Computer-Aided Molecular Design, 2011, 25, 213-222.	1.3	20
76	Structural insight into human variegate porphyria disease. FASEB Journal, 2011, 25, 653-664.	0.2	54
77	Clustered patterns of species origins of nature-derived drugs and clues for future bioprospecting. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12943-12948.	3.3	223
78	Design, Synthesis, and 3D-QSAR Analysis of Novel 1,3,4-Oxadiazol-2(3H)-ones as Protoporphyrinogen Oxidase Inhibitors. Journal of Agricultural and Food Chemistry, 2010, 58, 2643-2651.	2.4	85
79	Structural insight into unique properties of protoporphyrinogen oxidase from Bacillus subtilis. Journal of Structural Biology, 2010, 170, 76-82.	1.3	55
80	Site-directed mutagenesis and computational study of the Y366 active site in Bacillus subtilis protoporphyrinogen oxidase. Amino Acids, 2009, 37, 523-530.	1.2	11
81	A capillary electrophoresis assay for recombinant Bacillus subtilis protoporphyrinogen oxidase. Analytical Biochemistry, 2008, 383, 200-204.	1.1	23
82	Improved Synthesis of 2â€‘(3H)Benzothiazolethiones under Microwave Irradiation. Synthetic Communications, 2007, 37, 369-376.	1.1	21