

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	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
2	Clustered patterns of species origins of nature-derived drugs and clues for future bioprospecting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12943-12948.	3.3	223
3	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
4	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
5	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
6	Recent advances in formaldehyde-responsive fluorescent probes. <i>Chinese Chemical Letters</i> , 2017, 28, 1935-1942.	4.8	100
7	Photodynamic therapy based on organic small molecular fluorescent dyes. <i>Chinese Chemical Letters</i> , 2019, 30, 1689-1703.	4.8	89
8	Design, Synthesis, and 3D-QSAR Analysis of Novel 1,3,4-Oxadiazol-2(3H)-ones as Protoporphyrinogen Oxidase Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2643-2651.	2.4	85
9	Simultaneous bioimaging recognition of Al ³⁺ and Cu ²⁺ in living-cell, and further detection of F [•] and S ²⁻ by a simple fluorogenic benzimidazole-based chemosensor. <i>Talanta</i> , 2016, 161, 309-319.	2.9	84
10	Fluorescence Array-Based Sensing of Metal Ions Using Conjugated Polyelectrolytes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6882-6888.	4.0	82
11	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
12	CMAUP: a database of collective molecular activities of useful plants. <i>Nucleic Acids Research</i> , 2019, 47, D1118-D1127.	6.5	68
13	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
14	Structural insight into unique properties of protoporphyrinogen oxidase from <i>Bacillus subtilis</i> . <i>Journal of Structural Biology</i> , 2010, 170, 76-82.	1.3	55
15	Structural insight into human variegate porphyria disease. <i>FASEB Journal</i> , 2011, 25, 653-664.	0.2	54
16	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
17	Highly Specific Recognition of Breast Tumors by an RNA-Cleaving Fluorogenic DNAzyme Probe. <i>Analytical Chemistry</i> , 2015, 87, 569-577.	3.2	48
18	Sensitive Conjugated-Polymer-Based Fluorescent ATP Probes and Their Application in Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3567-3574.	4.0	47

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19	Continuous and Sensitive Acid Phosphatase Assay Based on a Conjugated Polyelectrolyte. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3784-3787.	4.0	46
20	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
21	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
22	Highly Selective Oxidation of Organic Sulfides by a Conjugated Polymer as the Photosensitizer for Singlet Oxygen Generation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35475-35481.	4.0	38
23	Quantitative Structural Insight into Human Variegate Porphyria Disease. <i>Journal of Biological Chemistry</i> , 2013, 288, 11731-11740.	1.6	37
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	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
26	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
27	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
28	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
29	MASI: microbiota active substance interactions database. <i>Nucleic Acids Research</i> , 2021, 49, D776-D782.	6.5	28
30	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
31	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
32	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
33	A simple quinoline-derived fluorescent sensor for the selective and sequential detection of copper(II) and sulfide ions and its application in living-cell imaging. <i>RSC Advances</i> , 2016, 6, 77508-77514.	1.7	24
34	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
35	A capillary electrophoresis assay for recombinant <i>Bacillus subtilis</i> protoporphyrinogen oxidase. <i>Analytical Biochemistry</i> , 2008, 383, 200-204.	1.1	23
36	Label-free fluorescent assays based on aptamer target recognition. <i>Analyst</i> , 2012, 137, 2309.	1.7	23

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37	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
38	Diazobenzene-containing conjugated polymers as dark quenchers. <i>Chemical Communications</i> , 2013, 49, 11379.	2.2	22
39	A simple benzimidazole quinoline-conjugate fluorescent chemosensor for highly selective detection of Ag ⁺ . <i>Tetrahedron</i> , 2016, 72, 3980-3985.	1.0	22
40	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
41	Improved Synthesis of 2-(3H)Benzothiazolethiones under Microwave Irradiation. <i>Synthetic Communications</i> , 2007, 37, 369-376.	1.1	21
42	Structure-activity relationships of diphenyl-ether as protoporphyrinogen oxidase inhibitors: insights from computational simulations. <i>Journal of Computer-Aided Molecular Design</i> , 2011, 25, 213-222.	1.3	20
43	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
44	Light-Induced Translocation of a Conjugated Polyelectrolyte in Cells: From Fluorescent Probe to Anticancer Agent. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10512-10518.	4.0	19
45	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
46	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
47	Conjugated Polymer-Based Real-Time Fluorescence Caspase Assays. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 405-410.	4.0	18
48	Conjugated Polyelectrolyte Nanoparticles for Apoptotic Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21984-21989.	4.0	18
49	Database and Bioinformatics Studies of Probiotics. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7599-7606.	2.4	18
50	Improved Therapeutic Efficiency against Obesity through Transdermal Drug Delivery Using Microneedle Arrays. <i>Pharmaceutics</i> , 2021, 13, 827.	2.0	16
51	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
52	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
53	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
54	One-Step Construction of Fluorenone-Based Donor-Acceptor-Type Conjugated Polymers via Direct Arylation Polymerization for Cell-Imaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28246-28253.	4.0	13

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55	Fluorescent switch based on dithienylethene with dansulfonamide in multimediu. Dyes and Pigments, 2020, 181, 108546.	2.0	13
56	Fluorescence array-based sensing of nitroaromatics using conjugated polyelectrolytes. Analyst, The, 2016, 141, 3242-3245.	1.7	12
57	Conjugated Polymer Nanoparticles Based on Copper Coordination for Real-Time Monitoring of pH-Responsive Drug Delivery. ACS Applied Bio Materials, 2021, 4, 2583-2590.	2.3	12
58	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
59	Core-shell assay based aptasensor for sensitive and selective thrombin detection using dark-field microscopy. Talanta, 2018, 182, 348-353.	2.9	11
60	Databases for facilitating mechanistic investigations of traditional Chinese medicines against COVID-19. Pharmacological Research, 2020, 159, 104989.	3.1	11
61	Unveiling the Molecular Dynamics in a Living Cell to the Subcellular Organelle Level Using Second-Harmonic Generation Spectroscopy and Microscopy. Analytical Chemistry, 2021, 93, 14146-14152.	3.2	10
62	Protrusion-localized STAT3 mRNA promotes metastasis of highly metastatic hepatocellular carcinoma cells in vitro. Acta Pharmacologica Sinica, 2016, 37, 805-813.	2.8	9
63	Proteolysis targeting peptide (PROTAP) strategy for protein ubiquitination and degradation. Biochemical and Biophysical Research Communications, 2016, 470, 936-940.	1.0	9
64	A biotin-guided hydrogen sulfide fluorescent probe and its application in living cell imaging. RSC Advances, 2020, 10, 36135-36140.	1.7	9
65	AggMapNet: enhanced and explainable low-sample omics deep learning with feature-aggregated multi-channel networks. Nucleic Acids Research, 2022, 50, e45-e45.	6.5	9
66	A New Strategy Involving the Use of Peptides and Graphene Oxide for Fluorescence Turn-on Detection of Proteins. Sensors, 2018, 18, 385.	2.1	8
67	Molecular weight analysis of water-soluble poly(phenylene ethynylene)s using MALDI-TOF MS. Journal of Polymer Science Part A, 2017, 55, 2537-2543.	2.5	7
68	One-Pot Simultaneous Detection of Multiple DNA and MicroRNA by Integrating the Cationic-Conjugated Polymer and Nuclease-Assisted Cyclic Amplification. ACS Applied Bio Materials, 2021, 4, 820-828.	2.3	7
69	Molecular Design and Photothermal Application of Thienoisoindigo Dyes with Aggregation-Induced Emission. ACS Applied Bio Materials, 2022, 5, 3428-3437.	2.3	7
70	A sensitive polymeric dark quencher-based sensing platform for fluorescence "turn on" detection of proteins. RSC Advances, 2016, 6, 42443-42446.	1.7	6
71	An iminodiacetate-modified conjugated polyelectrolyte for fluorescent labeling of histidine-tagged proteins. Chemical Communications, 2017, 53, 4191-4194.	2.2	6
72	UBE2J2 promotes hepatocellular carcinoma cell epithelial-mesenchymal transition and invasion in vitro. Oncotarget, 2017, 8, 71736-71749.	0.8	6

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73	Site-directed Mutagenesis Study of the Ile140 in Conserved Hydrophobic Core of Bcl-xL. Protein and Peptide Letters, 2012, 19, 991-996.	0.4	4
74	The Optimization and Characterization of an RNA-Cleaving Fluorogenic DNAzyme Probe for MDA-MB-231 Cell Detection. Sensors, 2017, 17, 650.	2.1	4
75	Poly(fluorenone- <i>co</i> -thiophene)-based nanoparticles for two-photon fluorescence imaging in living cells and tissues. RSC Advances, 2020, 10, 12373-12377.	1.7	3
76	HEROD: a human ethnic and regional specific omics database. Bioinformatics, 2017, 33, 3276-3282.	1.8	3
77	Sensitive and Selective Immunofluorescence Assay for CA15-3 Detection Using Fluorescein Derivative A10254. Protein and Peptide Letters, 2018, 25, 776-782.	0.4	3
78	Conjugated polyelectrolytes with a label-free aptamer for specific protein photoinactivation. Analytical Methods, 2018, 10, 2205-2210.	1.3	2
79	Discrimination of Powdered Infant Formula According to Species, Country of Origin, and Brand Using a Fluorescent Sensor Array. ACS Food Science & Technology, 2021, 1, 1392-1398.	1.3	2
80	Drug sales confirm clinical advantage of multi-target inhibition of drug escapes by anticancer kinase inhibitors. Drug Development Research, 2019, 80, 246-252.	1.4	1
81	Mutation of the conserved GRG motif and decreasing activity of human RNase H2. Open Life Sciences, 2014, 10, .	0.6	0
82	Combining kinase inhibitors for optimally co-targeting cancer and drug escape by exploitation of drug target promiscuities. Drug Development Research, 2021, 82, 133-142.	1.4	0