

Chunyan Tan

List of Publications by Year in descending order

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108
papers

3,813
citations

126907

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138484

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all docs

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docs citations

112
times ranked

5216
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-Reactive Fluorescent Sensor Array for Discrimination of Amyloid Beta Aggregates. <i>Analytical Chemistry</i> , 2022, 94, 5469-5473.	6.5	12
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.	7.8	27
3	Molecular Design and Photothermal Application of Thienoisindigo Dyes with Aggregation-Induced Emission. <i>ACS Applied Bio Materials</i> , 2022, 5, 3428-3437.	4.6	7
4	Biological Sensing and Imaging Using Conjugated Polymers and Peptide Substrates. <i>Protein and Peptide Letters</i> , 2021, 28, 2-10.	0.9	3
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.	4.6	12
6	Design, synthesis and evaluation of novel ErbB/HDAC multitargeted inhibitors with selectivity in EGFRT90M mutant cell lines. <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113173.	5.5	12
7	Discrimination of Powdered Infant Formula According to Species, Country of Origin, and Brand Using a Fluorescent Sensor Array. <i>ACS Food Science & Technology</i> , 2021, 1, 1392-1398.	2.7	2
8	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.	4.6	7
9	A novel aptasensor strategy for protein detection based on G-quadruplex and exonuclease III-aided recycling amplification. <i>Chinese Chemical Letters</i> , 2020, 31, 155-158.	9.0	16
10	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.	10.1	22
11	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.	8.0	38
12	Fluorescence Sensor Array for Discrimination of Urine Proteins and Differentiation Diagnosis of Urinary System Diseases. <i>ACS Applied Bio Materials</i> , 2020, 3, 5639-5643.	4.6	12
13	Poly(fluorenone-co-thiophene)-based nanoparticles for two-photon fluorescence imaging in living cells and tissues. <i>RSC Advances</i> , 2020, 10, 12373-12377.	3.6	3
14	Visual artificial tongue for identification of various metal ions in mixtures and real water samples: a colorimetric sensor array using off-the-shelf dyes. <i>RSC Advances</i> , 2019, 9, 27583-27587.	3.6	6
15	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.	8.0	13
16	Naphthalimide-containing conjugated polyelectrolytes with different chain configurations. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2635-2639.	2.8	3
17	Isotope Labeling Strategies for Acylcarnitines Profile in Biological Samples by Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 1701-1705.	6.5	9
18	White light-induced cell apoptosis by a conjugated polyelectrolyte through singlet oxygen generation. <i>RSC Advances</i> , 2018, 8, 9218-9222.	3.6	6

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19	A sensitive colorimetric aptasensor based on trivalent peroxidase-mimic DNAzyme and magnetic nanoparticles. <i>Analytica Chimica Acta</i> , 2018, 1018, 86-93.	5.4	46
20	Conjugated polyelectrolytes with a label-free aptamer for specific protein photoinactivation. <i>Analytical Methods</i> , 2018, 10, 2205-2210.	2.7	2
21	Aggregation-induced near-infrared emitting platinum(II) terpyridyl complex: cellular characterisation and lysosome-specific localisation. <i>Chemical Communications</i> , 2018, 54, 11144-11147.	4.1	44
22	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.	10.3	14
23	A New Strategy Involving the Use of Peptides and Graphene Oxide for Fluorescence Turn-on Detection of Proteins. <i>Sensors</i> , 2018, 18, 385.	3.8	8
24	Discovery of ErbB/HDAC inhibitors by combining the core pharmacophores of HDAC inhibitor vorinostat and kinase inhibitors vandetanib, BMS-690514, neratinib, and TAK-285. <i>Chinese Chemical Letters</i> , 2017, 28, 1220-1227.	9.0	22
25	Novel multi-substituted benzyl acridone derivatives as survivin inhibitors for hepatocellular carcinoma treatment. <i>European Journal of Medicinal Chemistry</i> , 2017, 129, 337-348.	5.5	38
26	An iminodiacetate-modified conjugated polyelectrolyte for fluorescent labeling of histidine-tagged proteins. <i>Chemical Communications</i> , 2017, 53, 4191-4194.	4.1	6
27	Design, synthesis and anticancer potential of NSC-319745 hydroxamic acid derivatives as DNMT and HDAC inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 134, 281-292.	5.5	47
28	Synthesis and biological research of novel azaacridine derivatives as potent DNA-binding ligands and topoisomerase II inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3437-3446.	3.0	16
29	Design, synthesis and evaluation of azaacridine derivatives as dual-target EGFR and Src kinase inhibitors for antitumor treatment. <i>European Journal of Medicinal Chemistry</i> , 2017, 136, 372-381.	5.5	31
30	Conjugated polyelectrolytes with galactose-containing side chains for targeted hepatoma cell imaging. <i>Chemical Communications</i> , 2017, 53, 5625-5628.	4.1	11
31	Olaparib hydroxamic acid derivatives as dual PARP and HDAC inhibitors for cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4100-4109.	3.0	64
32	Modulating aggregation-induced emission via a non-conjugated linkage of fluorophores to tetraphenylethenes. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5096-5100.	5.8	17
33	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.	8.0	19
34	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.	7.8	124
35	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.	2.3	7
36	Synthesis and investigation of novel 6-(1,2,3-triazol-4-yl)-4-aminoquinazolin derivatives possessing hydroxamic acid moiety for cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 27-37.	3.0	45

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37	The Optimization and Characterization of an RNA-Cleaving Fluorogenic DNAzyme Probe for MDA-MB-231 Cell Detection. <i>Sensors</i> , 2017, 17, 650.	3.8	4
38	UBE2J2 promotes hepatocellular carcinoma cell epithelial-mesenchymal transition and invasion <i>in vitro</i> . <i>Oncotarget</i> , 2017, 8, 71736-71749.	1.8	6
39	Synthesis and antiproliferative activity of 9-benzylamino-6-chloro-2-methoxy-acridine derivatives as potent DNA-binding ligands and topoisomerase II inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2016, 116, 59-70.	5.5	33
40	A simple benzimidazole quinoline-conjugate fluorescent chemosensor for highly selective detection of Ag ⁺ . <i>Tetrahedron</i> , 2016, 72, 3980-3985.	1.9	22
41	Fluorescence array-based sensing of nitroaromatics using conjugated polyelectrolytes. <i>Analyst</i> , The, 2016, 141, 3242-3245.	3.5	12
42	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.	7.8	70
43	A sensitive polymeric dark quencher-based sensing platform for fluorescence "turn on" detection of proteins. <i>RSC Advances</i> , 2016, 6, 42443-42446.	3.6	6
44	Supramolecular Ensembles Formed between Charged Conjugated Polymers and Glycoprobes for the Fluorogenic Recognition of Receptor Proteins. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13601-13606.	8.0	20
45	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.	3.6	24
46	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.	5.5	84
47	Conjugated Polyelectrolyte Nanoparticles for Apoptotic Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21984-21989.	8.0	18
48	Irreversible destruction of amyloid fibril plaques by conjugated polymer based fluorogenic nanogrenades. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4502-4506.	5.8	11
49	Design, synthesis and evaluation of acridine derivatives as multi-target Src and MEK kinase inhibitors for anti-tumor treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 261-269.	3.0	45
50	Proteolysis targeting peptide (PROTAP) strategy for protein ubiquitination and degradation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 936-940.	2.1	9
51	Interlocked supramolecular glycoconjugated polymers for receptor-targeting theranostics. <i>Chemical Communications</i> , 2016, 52, 3821-3824.	4.1	17
52	Sensitive Conjugated-Polymer-Based Fluorescent ATP Probes and Their Application in Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3567-3574.	8.0	47
53	Molecular design, synthesis and biological research of novel pyridyl acridones as potent DNA-binding and apoptosis-inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 93, 214-226.	5.5	25
54	Rhodium-Catalyzed Desulfination of Sodium Arenesulfonates and Oxidative Annulation with Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 489-499.	4.3	6

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55	Synthesis and biological evaluation of benzimidazole acridine derivatives as potential DNA-binding and apoptosis-inducing agents. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1800-1807.	3.0	65
56	Clustered Distribution of Natural Product Leads of Drugs in the Chemical Space as Influenced by the Privileged Target-Sites. <i>Scientific Reports</i> , 2015, 5, 9325.	3.3	20
57	A POCl ₃ -mediated synthesis of substituted fused azoacridones derivatives. <i>RSC Advances</i> , 2015, 5, 28670-28678.	3.6	14
58	Fluorescence Array-Based Sensing of Metal Ions Using Conjugated Polyelectrolytes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6882-6888.	8.0	82
59	Multitarget inhibitors derived from crosstalk mechanism involving VEGFR2. <i>Future Medicinal Chemistry</i> , 2014, 6, 1771-1789.	2.3	13
60	Biological evaluation and structure modification of (S)-3-aminopyrrolidine derivatives. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 91-97.	2.6	1
61	Synthesis and antiproliferative activity of RITA and its analogs. <i>Tetrahedron Letters</i> , 2014, 55, 6635-6638.	1.4	16
62	Mutation of the conserved GRG motif and decreasing activity of human RNase H2. <i>Open Life Sciences</i> , 2014, 10, .	1.4	0
63	Exploration of N-(2-aminoethyl)piperidine-4-carboxamide as a potential scaffold for development of VEGFR-2, ERK-2 and Abl-1 multikinase inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5694-5706.	3.0	17
64	Diazobenzene-containing conjugated polymers as dark quenchers. <i>Chemical Communications</i> , 2013, 49, 11379.	4.1	22
65	Novel synthetic acridine derivatives as potent DNA-binding and apoptosis-inducing antitumor agents. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4170-4177.	3.0	66
66	Copper-catalyzed Domino Synthesis of 4-oxopyrimido[1,2-a]indole Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2928-2935.	4.3	5
67	Exploration of 1-(3-chloro-4-(4-oxo-4H-chromen-2-yl)phenyl)-3-phenylurea derivatives as selective dual inhibitors of Raf1 and JNK1 kinases for anti-tumor treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 824-831.	3.0	19
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.	5.8	19
69	Cholic acid-functionalized nanoparticles of star-shaped PLGA-vitamin E TPGS copolymer for docetaxel delivery to cervical cancer. <i>Biomaterials</i> , 2013, 34, 6058-6067.	11.4	252
70	Binding of a bcl-2 Family Inhibitor to Bovine Serum Albumin: Fluorescence Quenching and Molecular Docking Study. <i>Protein and Peptide Letters</i> , 2012, 19, 949-954.	0.9	3
71	Selective VEGFR Inhibitors for Anticancer Therapeutics in Clinical Use and Clinical Trials. <i>Current Pharmaceutical Design</i> , 2012, 18, 2921-2935.	1.9	22
72	Site-directed Mutagenesis Study of the Ile140 in Conserved Hydrophobic Core of Bcl-xL. <i>Protein and Peptide Letters</i> , 2012, 19, 991-996.	0.9	4

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73	Conjugated Polymer-Based Real-Time Fluorescence Caspase Assays. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 405-410.	8.0	18
74	Analysis of bypass signaling in EGFR pathway and profiling of bypass genes for predicting response to anticancer EGFR tyrosine kinase inhibitors. <i>Molecular BioSystems</i> , 2012, 8, 2645.	2.9	11
75	Continuous and Sensitive Acid Phosphatase Assay Based on a Conjugated Polyelectrolyte. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3784-3787.	8.0	46
76	Development and experimental test of support vector machines virtual screening method for searching Src inhibitors from large compound libraries. <i>Chemistry Central Journal</i> , 2012, 6, 139.	2.6	3
77	Synthesis and evaluation of 10-(3,5-dimethoxy)benzyl-9(10H)-acridone derivatives as selective telomeric G-quadruplex DNA ligands. <i>Tetrahedron</i> , 2012, 68, 7920-7925.	1.9	23
78	Efficient synthesis of RITA and its analogues: derivation of analogues with improved antiproliferative activity via modulation of p53/miR-34a pathway. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9734.	2.8	17
79	A Two-Step Target Binding and Selectivity Support Vector Machines Approach for Virtual Screening of Dopamine Receptor Subtype-Selective Ligands. <i>PLoS ONE</i> , 2012, 7, e39076.	2.5	22
80	Synthesis and Cytotoxic Activity of Some Novel N-Pyridinyl-2-(6-phenylimidazo[2,1-b]thiazol-3-yl)acetamide Derivatives. <i>Molecules</i> , 2012, 17, 4703-4716.	3.8	25
81	Label-free fluorescent assays based on aptamer-target recognition. <i>Analyst</i> , 2012, 137, 2309.	3.5	23
82	Chloroaminoflavone Derivatives Selectively Targeting Hepatocarcinoma Cells: Convenient Synthetic Process, G ₂ /M Cell Cycle Arrest and Apoptosis Triggers. <i>Archiv Der Pharmazie</i> , 2012, 345, 525-534.	4.1	5
83	Pro-oncogene Pokemon promotes breast cancer progression by upregulating survivin expression. <i>Breast Cancer Research</i> , 2011, 13, R26.	5.0	48
84	Design and Synthesis of N-phosphoryl Peptide Modified Podophyllotoxin Derivatives as Potent Anticancer Agents. <i>Protein and Peptide Letters</i> , 2011, 18, 1258-1264.	0.9	6
85	Novel Synthetic Azaacridine Analogues as Topoisomerase 1 Inhibitors. <i>Chemistry Letters</i> , 2011, 40, 728-729.	1.3	13
86	Exploration of acridine scaffold as a potentially interesting scaffold for discovering novel multi-target VEGFR-2 and Src kinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3312-3319.	3.0	62
87	Discovery of benzimidazole derivatives as novel multi-target EGFR, VEGFR-2 and PDGFR kinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4529-4535.	3.0	97
88	Exploration of (S)-3-aminopyrrolidine as a potentially interesting scaffold for discovery of novel Abl and PI3K dual inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1404-1414.	5.5	45
89	One step synthesis of azo compounds from nitroaromatics and anilines. <i>Tetrahedron Letters</i> , 2011, 52, 3805-3809.	1.4	79
90	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.	7.1	223

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91	In-Silico Approaches to Multi-target Drug Discovery. <i>Pharmaceutical Research</i> , 2010, 27, 739-749.	3.5	135
92	New synthetic flavone derivatives induce apoptosis of hepatocarcinoma cells. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6322-6328.	3.0	29
93	Novel synthetic 2-amino-10-(3,5-dimethoxy)benzyl-9(10H)-acridinone derivatives as potent DNA-binding antiproliferative agents. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7507-7514.	3.0	45
94	Hyper-Efficient Quenching of a Conjugated Polyelectrolyte by Dye-Doped Silica Nanoparticles: Better Quenching in the Nonaggregated State. <i>Langmuir</i> , 2010, 26, 1528-1532.	3.5	4
95	RNA interference in mammalian cells by siRNAs modified with morpholino nucleoside analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2441-2446.	3.0	37
96	The design, synthesis and evaluation of hypoxia-activated pro-oligonucleotides. <i>Chemical Communications</i> , 2009, , 3216.	4.1	25
97	Synthesis and properties of morpholino chimeric oligonucleotides. <i>Tetrahedron Letters</i> , 2008, 49, 3570-3573.	1.4	26
98	Synthesis and potent antileukemic activities of 10-benzyl-9(10H)-acridinones. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8670-8675.	3.0	44
99	The design, synthesis, and anti-tumor mechanism study of N-phosphoryl amino acid modified resveratrol analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 10013-10021.	3.0	34
100	The Synthesis and Biological Evaluation of Benzamide Riboside and Its Phosphordiamidates Prodrugs. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 787-790.	1.6	0
101	2,4-Dinitrobenzaldehyde hydrazone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o745-o745.	0.2	0
102	Synthesis and Biological Evaluation of N-Phosphoryl Dipeptide Derivatives as Potent Apoptosis Inducers. <i>Protein and Peptide Letters</i> , 2008, 15, 356-359.	0.9	2
103	Amplified fluorescence quenching and biosensor application of a poly (para-phenylene) cationic polyelectrolyte. <i>Research on Chemical Intermediates</i> , 2007, 33, 79-90.	2.7	11
104	The Role of Exciton Hopping and Direct Energy Transfer in the Efficient Quenching of Conjugated Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2006, 128, 4007-4016.	13.7	58
105	Amplified Fluorescence Quenching and Electroluminescence of a Cationic Poly(p-phenylene-co-thiophene) Polyelectrolyte. <i>Macromolecules</i> , 2005, 38, 234-243.	4.8	73
106	Amplified Quenching of a Conjugated Polyelectrolyte by Cyanine Dyes. <i>Journal of the American Chemical Society</i> , 2004, 126, 13685-13694.	13.7	262
107	Luminescence Quenching of a Phosphorescent Conjugated Polyelectrolyte. <i>Journal of the American Chemical Society</i> , 2004, 126, 14964-14971.	13.7	119
108	Photophysics, aggregation and amplified quenching of a water-soluble poly(phenylene) Tj ETQqO O O rgBT /Overlock 10 Tf 50 72 Td (eth structural characterization of PPE-SO ₃ ⁻ and PE-SO ₃ ⁻ . See http://www.rsc.org/suppdata/cc/b1/b109630c/ . <i>Chemical Communications</i> , 2002, , 446-447.	4.1	273