

# Tao Yi

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3980480/tao-yi-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105  
papers

4,457  
citations

37  
h-index

64  
g-index

113  
ext. papers

5,154  
ext. citations

7.9  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
105	Low-molecular-mass gels responding to ultrasound and mechanical stress: towards self-healing materials. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 5346-71	58.5	368
104	FRET-based sensor for imaging chromium(III) in living cells. <i>Chemical Communications</i> , <b>2008</b> , 3387-9	5.8	336
103	Amphiphilic diarylethene as a photoswitchable probe for imaging living cells. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 15750-1	16.4	186
102	A Highly Selective and Multisignaling Optical/Electrochemical Sensor for Hg <sup>2+</sup> Based on a Phosphorescent Iridium(III) Complex. <i>Organometallics</i> , <b>2007</b> , 26, 2077-2081	3.8	181
101	Peptide functionalized polydiacetylene liposomes act as a fluorescent turn-on sensor for bacterial lipopolysaccharide. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9720-3	16.4	158
100	A molecular peptide beacon for the ratiometric sensing of nucleic acids. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1958-61	16.4	130
99	pH-Dependent Fluorescent Probe That Can Be Tuned for Cysteine or Homocysteine. <i>Organic Letters</i> , <b>2017</b> , 19, 82-85	6.2	122
98	Deformylation reaction-based probe for imaging of HOCl. <i>Chemical Science</i> , <b>2018</b> , 9, 495-501	9.4	121
97	Large red-shifted fluorescent emission via intermolecular $\pi$ -stacking in 4-ethynyl-1,8-naphthalimide-based supramolecular assemblies. <i>Langmuir</i> , <b>2014</b> , 30, 11753-60	4	115
96	Polymorphism-dependent and piezochromic luminescence based on molecular packing of a conjugated molecule. <i>Chemical Science</i> , <b>2014</b> , 5, 3922-3928	9.4	111
95	A highly sensitive ratiometric fluorescent probe for the detection of cytoplasmic and nuclear hydrogen peroxide. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 9970-6	7.8	109
94	Helical Self-Assembly-Induced Singlet-Triplet Emissive Switching in a Mechanically Sensitive System. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 785-791	16.4	107
93	Multiresponsive switchable diarylethene and its application in bioimaging. <i>Organic Letters</i> , <b>2009</b> , 11, 3818-21	6.2	107
92	Thixotropic and self-healing triggered reversible rheology switching in a peptide-based organogel with a cross-linked nano-ring pattern. <i>Soft Matter</i> , <b>2012</b> , 8, 3329	3.6	98
91	Visual Recognition of Aliphatic and Aromatic Amines Using a Fluorescent Gel: Application of a Sonication-Triggered Organogel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13569-77	9.5	93
90	Mitochondria-Directed Fluorescent Probe for the Detection of Hydrogen Peroxide near Mitochondrial DNA. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 10579-84	7.8	83
89	Hydrogen bonding assisted switchable fluorescence in self-assembled complexes containing diarylethene: controllable fluorescent emission in the solid state. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 2483		74

88	Tunable red/green/blue fluorescent organogels on the basis of intermolecular energy transfer. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 886		72
87	Iridium complex triggered white-light-emitting gel and its response to cysteine. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2650-2657		65
86	A spiropyran-based fluorescent probe for the specific detection of $\beta$ -amyloid peptide oligomers in Alzheimer's disease. <i>Chemical Communications</i> , <b>2016</b> , 52, 8865-8	5.8	64
85	Thermostable succinonitrile-based gel electrolyte for efficient, long-life dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1602		60
84	Density controlled oil uptake and beyond: from carbon nanotubes to graphene nanoribbon aerogels. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20547-20553	13	58
83	Morphological transformation between three-dimensional gel network and spherical vesicles via sonication. <i>Soft Matter</i> , <b>2012</b> , 8, 4494	3.6	56
82	Release of Amino- or Carboxy-Containing Compounds Triggered by HOCl: Application for Imaging and Drug Design. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4547-4551	16.4	56
81	A fluorescent non-conventional organogelator with gelation-assisted piezochromic and fluoride-sensing properties. <i>Dyes and Pigments</i> , <b>2017</b> , 137, 111-116	4.6	53
80	Colour change and luminescence enhancement in a cholesterol-based terpyridyl platinum metallogel via sonication. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1753	7.1	53
79	Strong Blue Emissive Supramolecular Self-Assembly System Based on Naphthalimide Derivatives and Its Ability of Detection and Removal of 2,4,6-Trinitrophenol. <i>Langmuir</i> , <b>2017</b> , 33, 7788-7798	4	52
78	Formation of a large-scale ordered honeycomb pattern by an organogelator via a self-assembly process. <i>Chemical Communications</i> , <b>2010</b> , 46, 3553-5	5.8	52
77	A smart drug: a pH-responsive photothermal ablation agent for Golgi apparatus activated cancer therapy. <i>Chemical Communications</i> , <b>2017</b> , 53, 6424-6427	5.8	50
76	A ratiometric fluorescent probe for the detection of hydroxyl radicals in living cells. <i>Chemical Communications</i> , <b>2014</b> , 50, 4843-5	5.8	49
75	Diarylethene based fluorescent switchable probes for the detection of amyloid- $\beta$ pathology in Alzheimer's disease. <i>Chemical Communications</i> , <b>2015</b> , 51, 125-8	5.8	48
74	Ultrasound Switch and Thermal Self-Repair of Morphology and Surface Wettability in a Cholesterol-Based Self-Assembly System. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 1079-1083	3.6	46
73	Two-component organogel for visually detecting nitrite anion. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1854-1861	7.1	42
72	CuS Nanocrystals Cross-Linked with Chlorin e6-Functionalized Polyethylenimine for Synergistic Photodynamic and Photothermal Therapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 16344-16351	9.5	40
71	Tunable and Switchable Control of Luminescence through Multiple Physical Stimulations in Aggregation-Based Monocomponent Systems. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 24312-24321	9.5	39

70	Multicolor imaging of hydrogen peroxide level in living and apoptotic cells by a single fluorescent probe. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 115-121	11.8	37
69	Artificial Light-Harvesting Metallacycle System with Sequential Energy Transfer for Photochemical Catalysis. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1313-1317	16.4	37
68	Mitochondria-Targeted Ratiometric Fluorescent Probe Based on Diketopyrrolopyrrole for Detecting and Imaging of Endogenous Superoxide Anion in Vitro and in Vivo. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 5786-5793	7.8	33
67	Polymorphism and mechanochromic luminescence of a highly solid-emissive quinoline- $\beta$ -ketone boron difluoride dye. <i>CrystEngComm</i> , <b>2015</b> , 17, 6674-6680	3.3	33
66	A novel photo-responsive organogel based on azobenzene. <i>Journal of Physical Organic Chemistry</i> , <b>2008</b> , 21, 338-343	2.1	32
65	Instant hydrogel formation of terpyridine-based complexes triggered by DNA via non-covalent interaction. <i>Nanoscale</i> , <b>2019</b> , 11, 4044-4052	7.7	31
64	Sugar based nanotube assembly for the construction of sonication triggered hydrogel: an application of the entrapment of tetracycline hydrochloride. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 7366-7371	7.3	29
63	Water-soluble MoS quantum dots for facile and sensitive fluorescence sensing of alkaline phosphatase activity in serum and live cells based on the inner filter effect. <i>Nanoscale</i> , <b>2018</b> , 10, 21298-21306	7.7	29
62	Ribosomal RNA-Selective Light-Up Fluorescent Probe for Rapidly Imaging the Nucleolus in Live Cells. <i>ACS Sensors</i> , <b>2019</b> , 4, 1409-1416	9.2	28
61	Rational design of three-dimensional nitrogen-doped carbon nanoleaf networks for high-performance oxygen reduction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5617-5627	13	28
60	Self-Assembly of Amphiphilic Peptides for Recognizing High Furin-Expressing Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12327-12334	9.5	27
59	Gelation induced reversible syneresis via structural evolution. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 3971		27
58	Fluorescent supramolecular self-assembly gels and their application as sensors: A review. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 434, 213792	23.2	25
57	Cyclodextrin-Assisted Two-Component Sonogel for Visual Humidity Sensing. <i>Langmuir</i> , <b>2017</b> , 33, 1090-1096	10.96	24
56	Intrinsically Coupled 3D [email protected] Frameworks as Anode Materials for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7289-7295	9.6	24
55	MoS quantum dots as a unique fluorescent "turn-off-on" probe for the simple and rapid determination of adenosine triphosphate. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2549-2556	7.3	23
54	A pH-responsive organic photosensitizer specifically activated by cancer lysosomes. <i>Dyes and Pigments</i> , <b>2018</b> , 156, 285-290	4.6	22
53	An Imine-Linked Metal-Organic Framework as a Reactive Oxygen Species Generator. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2534-2540	16.4	22

52	Effect of water on the supramolecular assembly and functionality of a naphthalimide derivative: tunable honeycomb structure with mechanochromic properties. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5910-5916	7.1	21
51	White light emission from a two-component hybrid gel via an energy transfer process. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 32297-303	3.6	21
50	NIR fluorescent probes with good water-solubility for detection of amyloid beta aggregates in Alzheimer's disease. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5535-5540	7.3	20
49	Tuning of the Spin States in Trinuclear Cobalt Compounds of Pyridazine by the Second Simple Bridging Ligand. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 1381-1387	2.3	20
48	Novel Hydrogel Material as a Potential Embolic Agent in Embolization Treatments. <i>Scientific Reports</i> , <b>2016</b> , 6, 32145	4.9	19
47	A fluorescent probe operating under weak acidic conditions for the visualization of HOCl in solid tumors in vivo. <i>Science China Chemistry</i> , <b>2020</b> , 63, 1153-1158	7.9	18
46	Fabrication of multiplicate nanostructures via manipulation of the self-assembly between an adamantane based gelator and cyclodextrin. <i>Soft Matter</i> , <b>2013</b> , 9, 9449	3.6	18
45	Vesicle-tube-ribbon evolution via spontaneous fusion in a self-correcting supramolecular tissue. <i>CrystEngComm</i> , <b>2015</b> , 17, 8039-8046	3.3	18
44	From vesicles to solid spheres: terminal functional group induced morphology modification. <i>Soft Matter</i> , <b>2010</b> , 6, 2679	3.6	18
43	Multifunctional Smart Yolk-Shell Nanostructure with Mesoporous MnO <sub>2</sub> Shell for Enhanced Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38906-38917	9.5	18
42	Dual-Modality Detection of Early-Stage Drug-Induced Acute Kidney Injury by an Activatable Probe. <i>ACS Sensors</i> , <b>2020</b> , 5, 2457-2466	9.2	17
41	A fluoride activated methylene blue releasing platform for imaging and antimicrobial photodynamic therapy of human dental plaque. <i>Chemical Communications</i> , <b>2018</b> , 54, 13115-13118	5.8	17
40	Photoisomerization-induced morphology and transparency transition in an azobenzene based two-component organogel system. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 458, 187-93	9.3	15
39	Diketopyrrolopyrrole-based multifunctional ratiometric fluorescent probe and Glutamylnitroreductase-triggered activatable photosensitizer for tumor therapy. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8183-8190	7.1	15
38	A novel near-infrared fluorescent probe for detection of early-stage A $\beta$ protofibrils in Alzheimer's disease. <i>Chemical Communications</i> , <b>2020</b> , 56, 1625-1628	5.8	15
37	Steric-Structure-Dependent Gel Formation, Hierarchical Structures, Rheological Behavior, and Surface Wettability. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 3196-3204	4.5	15
36	From nano ribbon to fibre by concentration control. <i>CrystEngComm</i> , <b>2012</b> , 14, 8057	3.3	13
35	Detecting Basal Myeloperoxidase Activity in Living Systems with a Near-Infrared Emissive "Turn-On" Probe. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10971-10978	7.8	13

34	pH-responsive AgS nanodots loaded with heat shock protein 70 inhibitor for photoacoustic imaging-guided photothermal cancer therapy. <i>Acta Biomaterialia</i> , <b>2020</b> , 115, 358-370	10.8	13
33	Real-time monitoring and accurate diagnosis of drug-induced hepatotoxicity in vivo by ratio-fluorescence and photoacoustic imaging of peroxyxynitrite. <i>Nanoscale</i> , <b>2020</b> , 12, 10216-10225	7.7	13
32	A Bonded Double-Doped Graphene Nanoribbon Framework for Advanced Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16649-55	9.5	12
31	Nanohybrid material of bilateral switch based on diarylethene. <i>Journal of Physical Organic Chemistry</i> , <b>2007</b> , 20, 975-980	2.1	10
30	HOCl-Activated Aggregation of Gold Nanoparticles for Multimodality Therapy of Tumors. <i>Advanced Science</i> , <b>2021</b> , 8, e2100074	13.6	10
29	A near infrared fluorescent probe for one-step detection of histone deacetylase activity based on an intramolecular FRET. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 297, 126791	8.5	9
28	Halogen Effect on Non-Conventional Organogel Assisted by Balanced $\pi$ -Interaction. <i>ChemistrySelect</i> , <b>2017</b> , 2, 5421-5426	1.8	9
27	Novel Chromogenic Chemosensors for Fluoride Anion Based on 8-Hydroxyquinoline Azo Derivatives. <i>Chinese Journal of Chemistry</i> , <b>2007</b> , 25, 616-622	4.9	9
26	A NIR fluorescent probe based on phenazine with a large Stokes shift for the detection and imaging of endogenous HO in RAW 264.7 cells. <i>Analyst, The</i> , <b>2020</b> , 145, 4196-4203	5	8
25	A novel o -nitrobenzyl-based photocleavable antitumor prodrug with the capability of releasing 5-fluorouracil. <i>Science Bulletin</i> , <b>2016</b> , 61, 459-467	10.6	8
24	A Programmed DNA Marker Based on Bis(4-ethynyl-1,8-naphthalimide) and Three-Methane-Bridged Thiazole Orange. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 16623-30	4.8	7
23	Ionic Liquid Based Electrolyte with Mesoporous Silica SBA-15 as Framework for Quasi-solid-state Dye-sensitized Solar Cells. <i>Chinese Journal of Chemistry</i> , <b>2006</b> , 24, 1737-1740	4.9	7
22	Construction of a multi-signal near-infrared fluorescent probe for sensing of hypochlorite concentration fluctuation in living animals. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 324, 128732	8.5	7
21	Evolution of Rhodamine B into Near-Infrared Dye by Phototriggered Radical Reaction and Its Application for Lysosome-Specific Live-Cell Imaging. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1367-1372	8.1	6
20	Release of Amino- or Carboxy-Containing Compounds Triggered by HOCl: Application for Imaging and Drug Design. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4595-4599	3.6	6
19	Furin substrate as a novel cell-penetrating peptide: combining a delivery vector and an inducer of cargo release. <i>Chemical Communications</i> , <b>2019</b> , 55, 11872-11875	5.8	5
18	Formation and regulation of supramolecular chirality in organogel via addition of tartaric acid. <i>Science Bulletin</i> , <b>2012</b> , 57, 4272-4277		5
17	Ultrasound Assisted Co-aggregation of a Two-component System with Multicolor Emission and Its Response to Acid. <i>Acta Chimica Sinica</i> , <b>2012</b> , 70, 2016	3.3	5

16	Photoinduced Radical Emission in a Coassembly System. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23842-23848	16.4	5
15	Organogel of fluorescein-based derivative formation in the selected pH value. <i>Supramolecular Chemistry</i> , <b>2013</b> , 25, 881-885	1.8	3
14	An Imine-Linked Metal-Organic Framework as a Reactive Oxygen Species Generator. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2564-2570	3.6	3
13	De novo design of self-assembly hydrogels based on Fmoc-diphenylalanine providing drug release. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 8686-8693	7.3	3
12	A Smart Theranostic Prodrug System Activated by Reactive Oxygen Species for Regional Chemotherapy of Metastatic Cancer.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	2
11	An Integrated Droplet Manipulation Platform with Photodeformable Microfluidic Channels.. <i>Small Methods</i> , <b>2021</b> , 5, e2100969	12.8	2
10	Hypoxia-Induced Photogenic Radicals by Eosin Y for Efficient Phototherapy of Hypoxic Tumors.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 8962-8969	4.1	2
9	Precise targeting of osteopontin in non-small cell lung cancer spinal metastasis to promote chemosensitivity via a smart hollow nano-platform. <i>Chemical Engineering Journal</i> , <b>2021</b> , 132131	14.7	2
8	A lysosome-targeted near-infrared fluorescent probe for cell imaging of Cu <sup>2+</sup> . <i>Dyes and Pigments</i> , <b>2022</b> , 110472	4.6	2
7	Photoswitchable Supramolecular Systems <b>2016</b> , 109-166		1
6	Zn <sup>2+</sup> cation triggers self-assembly of cyclen into a stable metallogel. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , <b>2010</b> , 5, 184-192		1
5	Phosphorothioate-DNA bacterial diet reduces the ROS levels in <i>C. elegans</i> while improving locomotion and longevity. <i>Communications Biology</i> , <b>2021</b> , 4, 1335	6.7	1
4	.. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2022</b> ,	4.7	1
3	Design of high contrast mechanochromic materials based on aggregation-induced emissive pyran derivatives guided by polymorph prediction. <i>CCS Chemistry</i> , 1-25	7.2	0
2	Photoinduced Radical Emission in a Coassembly System. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 24035	3.6	0
1	Synthesis and Characterization of Bisthiénylene-Porphyrin Photoswitchable Copolymers. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 6636	3.2	