

# Yu-Shun Yang

## List of Publications by Year in descending order

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83  
papers

1,791  
citations

318942

23  
h-index

371746

37  
g-index

85  
all docs

85  
docs citations

85  
times ranked

2371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Progress in Small-Molecule Fluorescent Probes for Detecting Mercury Ions. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 250-274.	1.8	17
2	Detection Methods and Research Progress of Human Serum Albumin. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 72-92.	1.8	47
3	A fluorescent Rhodol-derived probe for rapid and selective detection of hydrogen sulfide and its application. <i>Talanta</i> , 2022, 237, 122960.	2.9	15
4	Multifunctional Fluorescent Probe for Simultaneously Detecting Microviscosity, Micropolarity, and Carboxylesterases and Its Application in Bioimaging. <i>Analytical Chemistry</i> , 2022, 94, 4594-4601.	3.2	28
5	A fluorescent probe derived from benzofuranone for turn-on detection of sulfite in living cells and mice. <i>Dyes and Pigments</i> , 2022, 202, 110261.	2.0	6
6	Air pollution particles hijack peroxidase to disrupt immunosurveillance and promote lung cancer. <i>ELife</i> , 2022, 11, .	2.8	8
7	Selective and Rapid Detection of Thiophenol by a Novel Fluorescent Probe with Cellular Imaging. <i>Analytical Letters</i> , 2022, 55, 2727-2737.	1.0	2
8	Imaging the dynamic processes of hydrogen sulfide using a rapid "turn-on" mitochondria-targeting fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132285.	4.0	11
9	A DNA-based nanocarrier for efficient cancer therapy. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 330-339.	2.4	20
10	A fluorescent sensor for selective detection of hypochlorite and its application in <i>Arabidopsis thaliana</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118830.	2.0	11
11	A curcumin-analogous fluorescent sensor for cysteine detection with a bilateral-response click-like mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118879.	2.0	1
12	Exploiting novel rotors with auxochromic dynamic motors for monitoring lysosomal viscosity. <i>Dyes and Pigments</i> , 2021, 186, 108974.	2.0	9
13	A NIR-triggered multifunctional nanoplatfrom mediated by Hsp70 siRNA for chemo-hypothermal photothermal synergistic therapy. <i>Biomaterials Science</i> , 2021, 9, 6501-6509.	2.6	17
14	Two birds with one stone: a NIR fluorescent probe for mitochondrial protein imaging and its application in photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6068-6075.	2.9	3
15	A novel series of benzothiazepine derivatives as tubulin polymerization inhibitors with anti-tumor potency. <i>Bioorganic Chemistry</i> , 2021, 108, 104585.	2.0	14
16	A Novel Fluorescent Probe for Selective Detection of Hydrazine and Its Application in Imaging. <i>Biosensors</i> , 2021, 11, 130.	2.3	4
17	Design and synthesis of a novel "turn-on" long range measuring fluorescent probe for monitoring endogenous cysteine in living cells and <i>Caenorhabditis elegans</i> . <i>Analytica Chimica Acta</i> , 2021, 1152, 338243.	2.6	16
18	A novel Near-Infrared rhodamine-derived turn-on fluorescence probe for sensing SO <sub>2</sub> detection and their bio-imaging in vitro and in vivo. <i>Dyes and Pigments</i> , 2021, 188, 109229.	2.0	17

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19	Recent Progress in the Development of Quinoline Derivatives for the Exploitation of Anti-Cancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, 825-838.	0.9	15
20	A novel selective probe for detecting glutathione from other biothiols based on the concept of Fluorescence Fusion. <i>Analytica Chimica Acta</i> , 2021, 1177, 338786.	2.6	10
21	Recent Progress in Small Molecular Inhibitors of DNA Gyrase. <i>Current Medicinal Chemistry</i> , 2021, 28, 5808-5830.	1.2	4
22	A "Bridge-Building" Glycan Scaffold Mimicking Microbial Invasion for In Situ Endothelialization. <i>Advanced Materials</i> , 2021, 33, e2103490.	11.1	8
23	A novel fluorescent probe for the detection of peroxynitrite and its application in acute liver injury model. <i>Redox Biology</i> , 2021, 46, 102068.	3.9	17
24	Recent advances in reaction-based fluorescent probes for the detection of central nervous system-related pathologies in vivo. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214068.	9.5	21
25	Design and synthesis of a novel "turn-on" fluorescent probe based on benzofuran-3(2H)-one for detection of hydrazine in water samples and biological systems. <i>Dyes and Pigments</i> , 2021, 194, 109587.	2.0	9
26	A versatile nanoplatfrom based on multivariate porphyrinic metal-organic frameworks for catalytic cascade-enhanced photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4678-4689.	2.9	13
27	A "Bridge-Building" Glycan Scaffold Mimicking Microbial Invasion for In Situ Endothelialization (Adv.) <i>TJ ETQq</i> 1.1 0.784314 rgB 11.1 0	11.1	8
28	Novel Algicides against Bloom-Forming Cyanobacteria from Allelochemicals: Design, Synthesis, Bioassay, and 3D-QSAR Study. <i>Biology</i> , 2021, 10, 1145.	1.3	0
29	A turn-on fluorescent sensor for selective detection of hydrazine and its application in <i>Arabidopsis thaliana</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117707.	2.0	18
30	A novel indanone-derived fluorescence sensor for Cysteine detection and biological imaging. <i>Dyes and Pigments</i> , 2020, 175, 108122.	2.0	15
31	Discovery of novel aminophosphonate derivatives containing pyrazole moiety as potential selective COX-2 inhibitors. <i>Bioorganic Chemistry</i> , 2020, 102, 104096.	2.0	13
32	Multifunctional fluorescent probes "killing two birds with one stone" - recent progress and outlook. <i>Applied Materials Today</i> , 2020, 21, 100877.	2.3	4
33	Discovery of novel sulfonamide-containing aminophosphonate derivatives as selective COX-2 inhibitors and anti-tumor candidates. <i>Bioorganic Chemistry</i> , 2020, 105, 104390.	2.0	18
34	An Activatable and Switchable Nanoaggregate Probe for Detecting H <sub>2</sub> S and Its Application in Mice Brains. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3551-3557.	1.7	4
35	Oxygen Self-Sufficient Core-Shell Metal-Organic Framework-Based Smart Nanoplatfrom for Enhanced Synergistic Chemotherapy and Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24662-24674.	4.0	70
36	In vivo tracking cystine/glutamate antiporter-mediated cysteine/cystine pool under ferroptosis. <i>Analytica Chimica Acta</i> , 2020, 1125, 66-75.	2.6	30

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37	Fluorescent sensors for the detection of hydrazine in environmental and biological systems: Recent advances and future prospects. <i>Coordination Chemistry Reviews</i> , 2020, 417, 213367.	9.5	106
38	Introducing ortho-methoxyl group as a fluorescence-enhancing and bathochromic-shift bi-functional strategy for typical cysteine sensors. <i>Talanta</i> , 2020, 219, 121217.	2.9	7
39	A novel strategy for efficient chemoenzymatic synthesis of D-glutamine using recombinant <i>Escherichia coli</i> cells. <i>Journal of Molecular Structure</i> , 2020, 1219, 128600.	1.8	3
40	An imidazo[1,5- $\hat{b}$ ]pyridine-derived fluorescence sensor for rapid and selective detection of sulfite. <i>Talanta</i> , 2020, 217, 121087.	2.9	20
41	Discovery of novel pyrazoline derivatives containing methyl-1H-indole moiety as potential inhibitors for blocking APC-Asef interactions. <i>Bioorganic Chemistry</i> , 2020, 99, 103838.	2.0	4
42	A quinoxalinone-derived fluorescence sensor with optimized solubility for cysteine detection and biological imaging. <i>Dyes and Pigments</i> , 2019, 171, 107716.	2.0	14
43	Recent progress in the development of small-molecule fluorescent probes for the detection of hydrogen peroxide. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 625-651.	5.8	94
44	Discovery of novel oxoindolin derivatives as atypical dual inhibitors for DNA Gyrase and FabH. <i>Bioorganic Chemistry</i> , 2019, 93, 103309.	2.0	4
45	An umbelliferone-derived fluorescent sensor for selective detection of palladium(II) from palladium(0) in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117134.	2.0	10
46	Nanoscale Metal-Organic-Frameworks Coated by Biodegradable Organosilica for pH and Redox Dual Responsive Drug Release and High-Performance Anticancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20678-20688.	4.0	62
47	Introducing Broadened Antibacterial Activity to Rhodanine Derivatives Targeting Enoyl-Acyl Carrier Protein Reductase. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 125-129.	0.6	2
48	A selective fluorescent sensor for cysteine detection with potential as a white light emitting fluorophore in living cell imaging. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2911-2914.	2.9	13
49	Discovery and development of novel rhodanine derivatives targeting enoyl-acyl carrier protein reductase. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1509-1516.	1.4	11
50	Recent Progress in the Development of Small Molecule c-Met Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 1276-1288.	1.0	16
51	A fluorescence probe acted on Site I binding for Human Serum Albumin. <i>Talanta</i> , 2018, 185, 568-572.	2.9	21
52	Design and characterization of $\hat{b}$ -lipoic acyl shikonin ester twin drugs as tubulin and PDK1 dual inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 137-150.	2.6	32
53	A novel fluorescent probe for Hg <sup>2+</sup> detection in a wide pH range and its application in living cell imaging. <i>Analytical Methods</i> , 2018, 10, 5554-5558.	1.3	8
54	Optimization of substituted cinnamic acyl sulfonamide derivatives as tubulin polymerization inhibitors with anticancer activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3634-3638.	1.0	11

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55	Naked-eye Detection of Hg <sup>2+</sup> in Practical Applications Using a Highly Selective and Sensitive Fluorescent Probe. <i>Analytical Sciences</i> , 2018, 34, 1411-1417.	0.8	9
56	A fluorescent sensor for discrimination of HSA from BSA through selectivity evolution. <i>Analytica Chimica Acta</i> , 2018, 1043, 123-131.	2.6	33
57	A rapid cell-permeating turn-on probe for sensitive and selective detection of sulfite in living cells. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8318-8324.	1.5	19
58	A small, steady, rapid and selective TICT based fluorescent HSA sensor for pre-clinical diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 82-89.	4.0	29
59	Design and biological evaluation of novel triaryl pyrazoline derivatives with dioxane moiety for selective BRAFV600E inhibition. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 725-735.	2.6	18
60	Developing potential <i>Helicobacter pylori</i> urease inhibitors from novel oxoindoline derivatives: Synthesis, biological evaluation and in silico study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3182-3186.	1.0	16
61	Study of Schiff-Base-Derived with Dioxygenated Rings and Nitrogen Heterocycle as Potential $\beta$ -Ketoacyl-acyl Carrier Protein Synthase III (FabH) Inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 178-185.	0.6	8
62	Design, biological evaluation and 3D QSAR studies of novel dioxin-containing pyrazoline derivatives with thiourea skeleton as selective HER-2 inhibitors. <i>Scientific Reports</i> , 2016, 6, 27571.	1.6	13
63	Design, biological evaluation and 3D QSAR studies of novel dioxin-containing triaryl pyrazoline derivatives as potential B-Raf inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3052-3061.	1.4	24
64	Study of acylhydrazone derivatives with deoxygenated seven-membered rings as potential $\beta$ -ketoacyl-acyl carrier protein synthase III (FabH) inhibitors. <i>MedChemComm</i> , 2016, 7, 1980-1987.	3.5	9
65	Design, synthesis and antibacterial activities of 5-(pyrazin-2-yl)-4H-1,2,4-triazole-3-thiol derivatives containing Schiff base formation as FabH inhibitory. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 90-95.	1.0	31
66	Synthesis, molecular modeling and biological evaluation of N-benzylidene-2-((5-(pyridin-4-yl)-1,3,4-oxadiazol-2-yl)thio)acetohydrazide derivatives as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 468-477.	1.4	55
67	Synthesis, molecular modeling and biological evaluation of cinnamic acid derivatives with pyrazole moieties as novel anticancer agents. <i>RSC Advances</i> , 2014, 4, 37197-37207.	1.7	28
68	Synthesis and Antibacterial Activity of Cinnamaldehyde Acylhydrazone with a 1,4-Benzodioxan Fragment as a Novel Class of Potent $\beta$ -Ketoacyl-acyl Carrier Protein Synthase III (FabH) Inhibitor. <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 1110-1118.	0.6	19
69	Modification, Biological Evaluation and 3D QSAR Studies of Novel 2-(1,3-Diaryl)-Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 To	1.1	11
70	Synthesis, molecular docking and evaluation of thiazolyl-pyrazoline derivatives containing benzodioxole as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 448-455.	1.4	75
71	Design, modification and 3D QSAR studies of novel naphthalin-containing pyrazoline derivatives with/without thiourea skeleton as anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1050-1063.	1.4	54
72	Synthesis, molecular modeling, and biological evaluation of 1,2,4-triazole derivatives containing pyridine as potential anti-tumor agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 3193-3203.	1.1	13

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73	Synthesis, biological evaluation, 3D-QSAR studies of novel aryl-2H-pyrazole derivatives as telomerase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1091-1095.	1.0	24
74	Synthesis, biological evaluation of novel 4,5-dihydro-2H-pyrazole 2-hydroxyphenyl derivatives as BRAF inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6089-6096.	1.4	28
75	Design, synthesis, biological evaluation and molecular modeling of novel 1,3,4-oxadiazole derivatives based on Vanillic acid as potential immunosuppressive agents. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4226-4236.	1.4	24
76	Discovery and modification of sulfur-containing heterocyclic pyrazoline derivatives as potential novel class of $\beta^2$ -ketoacyl-acyl carrier protein synthase III (FabH) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4619-4624.	1.0	28
77	Design, modification and 3D QSAR studies of novel 2,3-dihydrobenzo[b][1,4]dioxin-containing 4,5-dihydro-1H-pyrazole derivatives as inhibitors of B-Raf kinase. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6048-6058.	1.4	21
78	Design, synthesis and biological evaluation of heterocyclic azoles derivatives containing pyrazine moiety as potential telomerase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6356-6365.	1.4	30
79	Design, synthesis and antibacterial activities of vanillic acylhydrazone derivatives as potential $\beta^2$ -ketoacyl-acyl carrier protein synthase III (FabH) inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2012, 57, 373-382.	2.6	42
80	Novel FabH inhibitors: a patent and article literature review (2000 – 2012). <i>Expert Opinion on Therapeutic Patents</i> , 2012, 22, 1325-1336.	2.4	11
81	Synthesis, biological evaluation, and molecular docking studies of 1,3,4-oxadiazole derivatives possessing 1,4-benzodioxan moiety as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6518-6524.	1.4	100
82	Synthesis, biological evaluation and molecular docking studies of 1,3,4-thiadiazole derivatives containing 1,4-benzodioxan as potential antitumor agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6116-6121.	1.0	52
83	Oxadiazole derivatives containing 1,4-benzodioxan as potential immunosuppressive agents against RAW264.7 cells. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4895-4902.	1.4	19