Yu-Jing Lu

List of Publications by Year in descending order

53 papers	1,654 citations	304368 22 h-index	301761 39 g-index
53 all docs	53 docs citations	53 times ranked	2046 citing authors

#	Article	IF	Citations
1	Synthesis and Evaluation of Quindoline Derivatives as G-Quadruplex Inducing and Stabilizing Ligands and Potential Inhibitors of Telomerase. Journal of Medicinal Chemistry, 2005, 48, 7315-7321.	2.9	165
2	5-N-Methylated Quindoline Derivatives as Telomeric G-Quadruplex Stabilizing Ligands: Effects of 5-N Positive Charge on Quadruplex Binding Affinity and Cell Proliferation. Journal of Medicinal Chemistry, 2008, 51, 6381-6392.	2.9	123
3	A molecular fluorescent dye for specific staining and imaging of RNA in live cells: a novel ligand integration from classical thiazole orange and styryl compounds. Chemical Communications, 2015, 51, 15241-15244.	2.2	93
4	Rational Design of Berberine-Based FtsZ Inhibitors with Broad-Spectrum Antibacterial Activity. PLoS ONE, 2014, 9, e97514.	1.1	82
5	Review of Functionalized Nanomaterials for Photothermal Therapy of Cancers. ACS Applied Nano Materials, 2021, 4, 11353-11385.	2.4	75
6	Benzothiazole-substituted benzofuroquinolinium dye: a selective switch-on fluorescent probe for G-quadruplex. Chemical Communications, 2011, 47, 4971.	2.2	72
7	Network pharmacology, molecular docking integrated surface plasmon resonance technology reveals the mechanism of Toujie Quwen Granules against coronavirus disease 2019 pneumonia. Phytomedicine, 2021, 85, 153401.	2.3	65
8	Molecular Engineering of Thiazole Orange Dye: Change of Fluorescent Signaling from Universal to Specific upon Binding with Nucleic Acids in Bioassay. ACS Chemical Biology, 2016, 11, 1019-1029.	1.6	64
9	Antibacterial activity of N -methylbenzofuro[3,2- b]quinoline and N -methylbenzoindolo[3,2- b]-quinoline derivatives and study of their mode of action. European Journal of Medicinal Chemistry, 2017, 135, 1-11.	2.6	64
10	InÂvitro and inÂvivo evaluation of the antidiabetic activity of ursolic acid derivatives. European Journal of Medicinal Chemistry, 2014, 80, 502-508.	2.6	54
11	Design, synthesis and antibacterial evaluation of 2,4-disubstituted-6-thiophenyl-pyrimidines. European Journal of Medicinal Chemistry, 2019, 161, 141-153.	2.6	44
12	New pyridinium-based fluorescent dyes: A comparison of symmetry and side-group effects on G-Quadruplex DNA binding selectivity and application in live cell imaging. Biosensors and Bioelectronics, 2016, 81, 373-381.	5.3	42
13	A newly isolated bacterium Comamonas sp. XL8 alleviates the toxicity of cadmium exposure in rice seedlings by accumulating cadmium. Journal of Hazardous Materials, 2021, 403, 123824.	6.5	37
14	A Thiazole Orange Derivative Targeting the Bacterial Protein FtsZ Shows Potent Antibacterial Activity. Frontiers in Microbiology, 2017, 8, 855.	1.5	36
15	Synthesis and biological evaluation of curcumin derivatives containing NSAIDs for their anti-inflammatory activity. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3044-3051.	1.0	35
16	Stabilization of VEGF G-quadruplex and inhibition of angiogenesis by quindoline derivatives. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2970-2977.	1.1	34
17	Sequential Câ€“H and Câ€“C Bond Cleavage: Divergent Constructions of Fused N-Heterocycles via Tunable Cascade. ACS Catalysis, 2019, 9, 8749-8756.	5.5	33
18	Quantitative determinations of seven fluorescent whitening agents in polystyrene and polyvinyl chloride plastics by ultrahigh performance liquid chromatographyâ€“tandem mass spectrometry. Analytical Methods, 2013, 5, 6086.	1.3	29

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19	Sensitive and selective detection of uracil-DNA glycosylase activity with a new pyridinium luminescent switch-on molecular probe. Analyst, The, 2015, 140, 5998-6004.	1.7	29
20	Rational design of small-molecules to recognize G-quadruplexes of c-MYC promoter and telomere and the evaluation of their in vivo antitumor activity against breast cancer. Nucleic Acids Research, 2022, 50, 1829-1848.	6.5	25
21	Simultaneous determination of 11 restricted dyes in cosmetics by ultra high-performance liquid chromatography/tandem mass spectrometry. Analytical Methods, 2013, 5, 1965.	1.3	24
22	Development of sensitive and selective food sensors using new Re(I)-Pt(II) bimetallic complexes to detect volatile biogenic sulfides formed by meat spoilage. Food Chemistry, 2017, 216, 382-389.	4.2	24
23	Antibacterial activity of indolyl-quinolinium derivatives and study their mode of action. Bioorganic and Medicinal Chemistry, 2019, 27, 1274-1282.	1.4	24
24	A quinoline-based FtsZ inhibitor for the study of antimicrobial activity and synergistic effects with Î²-lactam antibiotics. Journal of Pharmacological Sciences, 2018, 137, 283-289.	1.1	23
25	Antibacterial activity of 3-methylbenzo[d]thiazol-methylquinolinium derivatives and study of their action mechanism. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 879-889.	2.5	23
26	Study of Benzofuroquinolinium Derivatives as a New Class of Potent Antibacterial Agent and the Mode of Inhibition Targeting FtsZ. Frontiers in Microbiology, 2018, 9, 1937.	1.5	21
27	Microbiome analysis combined with targeted metabolomics reveal immunological anti-tumor activity of icariside I in a melanoma mouse model. Biomedicine and Pharmacotherapy, 2021, 140, 111542.	2.5	21
28	A small-sized benzothiazoleâ€“indolium fluorescent probe: the study of interaction specificity targeting c-MYC promoter G-quadruplex structures and live cell imaging. Chemical Communications, 2020, 56, 15016-15019.	2.2	19
29	New application of tiplaxtinin as an effective FtsZ-targeting chemotype for an antimicrobial study. MedChemComm, 2017, 8, 1909-1913.	3.5	18
30	The study of citrusâ€derived flavonoids as effective bitter taste inhibitors. Journal of the Science of Food and Agriculture, 2021, 101, 5163-5171.	1.7	18
31	Antibacterial activity and mechanism of action of a thiophenyl substituted pyrimidine derivative. RSC Advances, 2019, 9, 10739-10744.	1.7	17
32	Effects of Ursolic Acid Derivatives on Caco-2 Cells and Their Alleviating Role in Streptozocin-Induced Type 2 Diabetic Rats. Molecules, 2014, 19, 12559-12576.	1.7	16
33	Highly selective and sensitive colorimetric chemosensors for Hg²⁺ based on novel diaminomaleonitrile derivatives. RSC Advances, 2016, 6, 5503-5511.	1.7	16
34	The in vitro and in vivo study of oleanolic acid indole derivatives as novel anti-inflammatory agents: Synthesis, biological evaluation, and mechanistic analysis. Bioorganic Chemistry, 2021, 113, 104981.	2.0	15
35	New Applications of Oleanolic Acid and its Derivatives as Cardioprotective Agents: A Review of their Therapeutic Perspectives. Current Pharmaceutical Design, 2019, 25, 3740-3750.	0.9	15
36	Antioxidant and anti-inflammatory properties of Chinese ilicifolius vegetable (Acanthopanax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Tc	1.2	14

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37	Enzymatic production of natural sweetener trilobatin from citrus flavanone naringin using immobilised Î±â€<scp>l</scp>â€rhamnosidase as the catalyst. International Journal of Food Science and Technology, 2018, 53, 2097-2103.	1.3	14
38	Antibacterial evaluation and mode of action study of BIMQ, a novel bacterial cell division inhibitor. Biochemical and Biophysical Research Communications, 2019, 514, 1224-1230.	1.0	14
39	Design mitochondria-specific fluorescent turn-on probes targeting G-quadruplexes for live cell imaging and mitophagy monitoring study. Chemical Engineering Journal, 2022, 446, 136947.	6.6	13
40	Blocking the binding of WT1 to bcl-2 promoter by G-quadruplex ligand SYUIQ-FM05. Biochemistry and Biophysics Reports, 2016, 5, 346-352.	0.7	12
41	The Dynamics, energetics and selectivity of water chain-containing aquapores created by the self-assembly of aquafoldamer molecules. Organic and Biomolecular Chemistry, 2015, 13, 10613-10619.	1.5	11
42	Catalyst displacement assay: a supramolecular approach for the design of smart latent catalysts for pollutant monitoring and removal. Chemical Science, 2017, 8, 3812-3820.	3.7	11
43	Probing the benzofuroquinolinium derivative as a potent antibacterial agent through the inhibition of FtsZ activity. Journal of Pharmacological Sciences, 2018, 138, 83-85.	1.1	10
44	Dispersive Liquid-Liquid Microextraction Combined with Ultrahigh Performance Liquid Chromatography/Tandem Mass Spectrometry for Determination of Organophosphate Esters in Aqueous Samples. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	9
45	Production of high antioxidant activity flavonoid monoglucosides from citrus flavanone with immobilised Î±â€Lâ€rhamnosidase in one step. International Journal of Food Science and Technology, 2019, 54, 2854-2862.	1.3	9
46	Synthesis of fluorescent G-quadruplex DNA binding ligands for the comparison of terminal group effects in molecular interaction: Phenol versus methoxybenzene. Bioorganic Chemistry, 2020, 99, 103821.	2.0	9
47	Design and synthesis of quinolinium-based derivatives targeting FtsZ for antibacterial evaluation and mechanistic study. European Journal of Medicinal Chemistry, 2022, 236, 114360.	2.6	9
48	A smart small molecule as specific fluorescent probe for sensitive recognition of mitochondrial DNA G-Quadruplexes. Chemical Engineering Journal, 2022, 441, 135977.	6.6	9
49	A propellerâ€like small molecule as a novel Gâ€quadruplex DNA binder: The study of fluorescent sensing property and preferential interactions with human telo21 structure. Chemical Biology and Drug Design, 2019, 93, 979-985.	1.5	5
50	Understanding the interaction of estrogenic ligands with estrogen receptors: a survey of the functional and binding kinetic studies. Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis, 2020, 38, 142-168.	0.4	5
51	Discovery of APOBEC Cytidine Deaminases Inhibitors Using a BspH1 Restriction Enzymeâ€Based Biosensor. ChemistrySelect, 2022, 7, .	0.7	2
52	Enzymatic glucosylation of citrus flavonoids to enhance their bioactivity and taste as new food additives. Molecular Catalysis, 2022, 528, 112467.	1.0	2
53	Molecular Interaction Kinetics and Mechanism Study of Phytohormones and Plant Protein with Fluorescence and Synchronous Fluorescence Techniques. ChemistrySelect, 2017, 2, 3993-4000.	0.7	1