

Kaiyan Lou

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,576
citations

394286

19
h-index

302012

39
g-index

43
all docs

43
docs citations

43
times ranked

3007
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein corona significantly reduces active targeting yield. <i>Chemical Communications</i> , 2013, 49, 2557.	2.2	321
2	Recent developments in multimodality fluorescence imaging probes. <i>Acta Pharmaceutica Sinica B</i> , 2018, 8, 320-338.	5.7	172
3	Chitosan-graft- β -cyclodextrin nanoparticles as a carrier for controlled drug release. <i>International Journal of Pharmaceutics</i> , 2013, 446, 191-198.	2.6	130
4	Near-infrared fluorescent probes for imaging of amyloid plaques in Alzheimer's disease. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 25-33.	5.7	109
5	Enzymatic Cleavage and Subsequent Facile Intramolecular Transcyclization for in Situ Fluorescence Detection of β -Glutamyltranspeptidase Activities. <i>Analytical Chemistry</i> , 2016, 88, 10816-10820.	3.2	75
6	New small-molecule drug design strategies for fighting resistant influenza A. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 419-430.	5.7	70
7	Analyte Regeneration Fluorescent Probes for Formaldehyde Enabled by Regiospecific Formaldehyde-Induced Intramolecularity. <i>Journal of the American Chemical Society</i> , 2018, 140, 16408-16412.	6.6	60
8	Divergent Synthesis of Imidazoles and Quinazolines via Pd(OAc) ₂ -Catalyzed Annulation of N-Allylamidines. <i>Organic Letters</i> , 2015, 17, 3434-3437.	2.4	53
9	Orchestration of dual cyclization processes and dual quenching mechanisms for enhanced selectivity and drastic fluorescence turn-on detection of cysteine. <i>Chemical Communications</i> , 2017, 53, 3583-3586.	2.2	46
10	Fluorescent theranostic agents for Hg ²⁺ detection and detoxification treatment. <i>Chemical Communications</i> , 2015, 51, 4443-4446.	2.2	44
11	Correlated AFM and NanoSIMS imaging to probe cholesterol-induced changes in phase behavior and non-ideal mixing in ternary lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 307-315.	1.4	42
12	Cyclodextrin/chitosan nanoparticles for oral ovalbumin delivery: Preparation, characterization and intestinal mucosal immunity in mice. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 193-203.	4.3	38
13	Rational Design of an Ultrasensitive and Highly Selective Chemodosimeter by a Dual Quenching Mechanism for Cysteine Based on a Facile Michaelis-Transcyclization Cascade Reaction. <i>Chemistry - A European Journal</i> , 2016, 22, 9247-9256.	1.7	36
14	Synthetic 1,4-anthracenedione analogs induce cytochrome c release, caspase-9, -3, and -8 activities, poly(ADP-ribose) polymerase-1 cleavage and internucleosomal DNA fragmentation in HL-60 cells by a mechanism which involves caspase-2 activation but not Fas signaling. <i>Biochemical Pharmacology</i> , 2004, 67, 523-537.	2.0	29
15	Synthesis of Cyclododecptycene Quinones. <i>Journal of the American Chemical Society</i> , 2010, 132, 17635-17641.	6.6	28
16	Identification of a lipid-related peak set to enhance the interpretation of TOF-SIMS data from model and cellular membranes. <i>Surface and Interface Analysis</i> , 2012, 44, 322-333.	0.8	28
17	Structure and function of eritadenine and its 3-deaza analogues: Potent inhibitors of S-adenosylhomocysteine hydrolase and hypocholesterolemic agents. <i>Biochemical Pharmacology</i> , 2007, 73, 981-989.	2.0	26
18	Spatiotemporally controllable diphtheria toxin expression using a light-switchable transgene system combining multifunctional nanoparticle delivery system for targeted melanoma therapy. <i>Journal of Controlled Release</i> , 2020, 319, 1-14.	4.8	25

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19	The therapeutic effect of methotrexate-conjugated Pluronic-based polymeric micelles on the folate receptor-rich tumors treatment. <i>International Journal of Nanomedicine</i> , 2015, 10, 4043.	3.3	24
20	Synthesis and in vitro antitumor activity of substituted anthracene-1,4-diones. <i>Tetrahedron</i> , 2004, 60, 10155-10163.	1.0	20
21	Rapid collapse of mitochondrial transmembrane potential in HL-60 cells and isolated mitochondria treated with anti-tumor 1,4-anthracenediones. <i>Anti-Cancer Drugs</i> , 2005, 16, 953-967.	0.7	20
22	Antitumor triptycene bisquinones induce a caspase-independent release of mitochondrial cytochrome c and a caspase-2-mediated activation of initiator caspase-8 and -9 in HL-60 cells by a mechanism which does not involve Fas signaling. <i>Anti-Cancer Drugs</i> , 2004, 15, 929-946.	0.7	19
23	Fluorophore-Promoted Facile Deprotonation and Exocyclic Five-Membered Ring Cyclization for Selective and Dynamic Tracking of Labile Glyoxals. <i>Analytical Chemistry</i> , 2020, 92, 13829-13838.	3.2	18
24	A naphthalimide-aminal-based pH-sensitive fluorescent donor for lysosome-targeted formaldehyde release and fluorescence turn-on readout. <i>Chemical Communications</i> , 2019, 55, 7053-7056.	2.2	16
25	A PET-based fluorescent probe for monitoring labile Fe(II) pools in macrophage activations and ferroptosis. <i>Chemical Communications</i> , 2022, 58, 2979-2982.	2.2	13
26	A simple two-photon turn-on fluorescent probe for the selective detection of cysteine based on a dual PeT/ICT mechanism. <i>RSC Advances</i> , 2018, 8, 13388-13392.	1.7	12
27	A compact fluorescence/circular dichroism dual-modality probe for detection, differentiation, and detoxification of multiple heavy metal ions via bond-cleavage cascade reactions. <i>Chinese Chemical Letters</i> , 2021, 32, 3876-3881.	4.8	12
28	Formaldehyde reinforces pro-inflammatory responses of macrophages through induction of glycolysis. <i>Chemosphere</i> , 2021, 282, 131149.	4.2	12
29	Parallel and perpendicular stacking of ferrocene rings. <i>Inorganica Chimica Acta</i> , 2003, 350, 259-265.	1.2	11
30	Syntheses, Molecular Targets and Antitumor Activities of Novel Triptycene Bisquinones and 1,4-Anthracenedione Analogs. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2006, 6, 303-318.	0.9	11
31	Total syntheses of (±)-ovalicin, C4(S)-isomer, and its C5-analogs and anti-trypanosomal activities. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5232-5246.	1.4	11
32	Mebendazole is a potent inhibitor to chemoresistant T cell acute lymphoblastic leukemia cells. <i>Toxicology and Applied Pharmacology</i> , 2020, 396, 115001.	1.3	10
33	An AND logic-gate-based fluorescent probe with dual reactive sites for monitoring extracellular methylglyoxal level changes of activated macrophages. <i>Chemical Communications</i> , 2021, 57, 8166-8169.	2.2	9
34	Safe and Efficacious Diphtheria Toxin-Based Treatment for Melanoma: Combination of a Light-On Gene-Expression System and Nanotechnology. <i>Molecular Pharmaceutics</i> , 2020, 17, 301-315.	2.3	6
35	Vitamin E succinate-grafted-chitosan/chitosan oligosaccharide mixed micelles loaded with C-DMSA for Hg ²⁺ detection and detoxification in rat liver. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6917-6932.	3.3	5
36	Methylglyoxal produced by tumor cells through formaldehyde-enhanced Warburg effect potentiated polarization of tumor-associated macrophages. <i>Toxicology and Applied Pharmacology</i> , 2022, 438, 115910.	1.3	5

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37	Orlistat increases arsenite tolerance in THP-1 derived macrophages through the up-regulation of ABCA1. <i>Drug and Chemical Toxicology</i> , 2022, 45, 274-282.	1.2	3
38	Formaldehyde inhibits development of T lymphocytes in mice. <i>Toxicological and Environmental Chemistry</i> , 2020, 102, 473-489.	0.6	3
39	Synthesis of La(III), Y(III) complexes with polyglycol aldehyde-amino acid Schiff base and their high resolution solid state ^{13}C NMR spectra. <i>Science in China Series B: Chemistry</i> , 1999, 42, 599-604.	0.8	2
40	Use of Fluorescent Sphingolipid Precursors for Biophysical Studies of Sphingolipids. <i>Biophysical Journal</i> , 2012, 102, 200a.	0.2	1
41	An anthracenecarboximide-guanidine fluorescent probe for selective detection of glyoxals under weak acidic conditions. <i>RSC Advances</i> , 2022, 12, 9473-9477.	1.7	1
42	Chemical Imaging of the Lipid and Cholesterol Distribution in the Plasma Membranes of Intact Cells. <i>Biophysical Journal</i> , 2012, 102, 26a.	0.2	0