Kaiyan Lou

List of Publications by Year
in descending order

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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	Orlistat increases arsenite tolerance in THP-1 derived macrophages through the up-regulation of ABCA1. Drug and Chemical Toxicology, 2022, 45, 274-282.	1.2	3
2	A PET-based fluorescent probe for monitoring labile Fe(<scp>ii</scp>) pools in macrophage activations and ferroptosis. Chemical Communications, 2022, 58, 2979-2982.	2.2	13
3	Methylglyoxal produced by tumor cells through formaldehyde-enhanced Warburg effect potentiated polarization of tumor-associated macrophages. Toxicology and Applied Pharmacology, 2022, 438, 115910.	1.3	5
4	An anthracenecarboximide-guanidine fluorescent probe for selective detection of glyoxals under weak acidic conditions. RSC Advances, 2022, 12, 9473-9477.	1.7	1
5	An â€œANDâ€•logic-gate-based fluorescent probe with dual reactive sites for monitoring extracellular methylglyoxal level changes of activated macrophages. Chemical Communications, 2021, 57, 8166-8169.	2.2	9
6	A compact fluorescence/circular dichroism dual-modality probe for detection, differentiation, and detoxification of multiple heavy metal ions via bond-cleavage cascade reactions. Chinese Chemical Letters, 2021, 32, 3876-3881.	4.8	12
7	Formaldehyde reinforces pro-inflammatory responses of macrophages through induction of glycolysis. Chemosphere, 2021, 282, 131149.	4.2	12
8	Spatiotemporally controllable diphtheria toxin expression using a light-switchable transgene system combining multifunctional nanoparticle delivery system for targeted melanoma therapy. Journal of Controlled Release, 2020, 319, 1-14.	4.8	25
9	Safe and Efficacious Diphtheria Toxin-Based Treatment for Melanoma: Combination of a Light-On Gene-Expression System and Nanotechnology. Molecular Pharmaceutics, 2020, 17, 301-315.	2.3	6
10	Formaldehyde inhibits development of T lymphocytes in mice. Toxicological and Environmental Chemistry, 2020, 102, 473-489.	0.6	3
11	Fluorophore-Promoted Facile Deprotonation and Exocyclic Five-Membered Ring Cyclization for Selective and Dynamic Tracking of Labile Glyoxals. Analytical Chemistry, 2020, 92, 13829-13838.	3.2	18
12	Mebendazole is a potent inhibitor to chemoresistant T cell acute lymphoblastic leukemia cells. Toxicology and Applied Pharmacology, 2020, 396, 115001.	1.3	10
13	Vitamin E succinate-grafted-chitosan/chitosan oligosaccharide mixed micelles loaded with C-DMSA for Hg²⁺ÂdetectionÂand detoxification in rat liver . International Journal of Nanomedicine, 2019, Volume 14, 6917-6932.	3.3	5
14	A naphthalimide-aminal-based pH-sensitive fluorescent donor for lysosome-targeted formaldehyde release and fluorescence turn-on readout. Chemical Communications, 2019, 55, 7053-7056.	2.2	16
15	Cyclodextrin/chitosan nanoparticles for oral ovalbumin delivery: Preparation, characterization and intestinal mucosal immunity in mice. Asian Journal of Pharmaceutical Sciences, 2019, 14, 193-203.	4.3	38
16	A simple two-photon turn-on fluorescent probe for the selective detection of cysteine based on a dual PeT/ICT mechanism. RSC Advances, 2018, 8, 13388-13392.	1.7	12
17	Recent developments in multimodality fluorescence imaging probes. Acta Pharmaceutica Sinica B, 2018, 8, 320-338.	5.7	172
18	Analyte Regeneration Fluorescent Probes for Formaldehyde Enabled by Regiospecific Formaldehyde-Induced Intramolecularity. Journal of the American Chemical Society, 2018, 140, 16408-16412.	6.6	60

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19	Orchestration of dual cyclization processes and dual quenching mechanisms for enhanced selectivity and drastic fluorescence turn-on detection of cysteine. Chemical Communications, 2017, 53, 3583-3586.	2.2	46
20	Rational Design of an Ultrasensitive and Highly Selective Chemodosimeter by a Dual Quenching Mechanism for Cysteine Based on a Facile Michaelâ€Transcyclization Cascade Reaction. Chemistry - A European Journal, 2016, 22, 9247-9256.	1.7	36
21	Enzymatic Cleavage and Subsequent Facile Intramolecular Transcyclization for in Situ Fluorescence Detection of Î³-Glutamyltranspetidase Activities. Analytical Chemistry, 2016, 88, 10816-10820.	3.2	75
22	The therapeutic effect of methotrexate-conjugated Pluronic-based polymeric micelles on the folate receptor-rich tumors treatment. International Journal of Nanomedicine, 2015, 10, 4043.	3.3	24
23	Near-infrared fluorescent probes for imaging of amyloid plaques in Alzheimer×³s disease. Acta Pharmaceutica Sinica B, 2015, 5, 25-33.	5.7	109
24	Fluorescent theranostic agents for Hg‹sup›2+‹/sup›detection and detoxification treatment. Chemical Communications, 2015, 51, 4443-4446.	2.2	44
25	Divergent Synthesis of Imidazoles and Quinazolines via Pd(OAc)2-Catalyzed Annulation of N-Allylamidines. Organic Letters, 2015, 17, 3434-3437.	2.4	53
26	New small-molecule drug design strategies for fighting resistant influenza A. Acta Pharmaceutica Sinica B, 2015, 5, 419-430.	5.7	70
27	Protein corona significantly reduces active targeting yield. Chemical Communications, 2013, 49, 2557.	2.2	321
28	Chitosan-graft-Î²-cyclodextrin nanoparticles as a carrier for controlled drug release. International Journal of Pharmaceutics, 2013, 446, 191-198.	2.6	130
29	Use of Fluorescent Sphingolipid Precursors for Biophysical Studies of Sphingolipids. Biophysical Journal, 2012, 102, 200a.	0.2	1
30	Chemical Imaging of the Lipid and Cholesterol Distribution in the Plasma Membranes of Intact Cells. Biophysical Journal, 2012, 102, 26a.	0.2	0
31	Identification of a lipidâ€related peak set to enhance the interpretation of TOFâ€SIMS data from model and cellular membranes. Surface and Interface Analysis, 2012, 44, 322-333.	0.8	28
32	Correlated AFM and NanoSIMS imaging to probe cholesterol-induced changes in phase behavior and non-ideal mixing in ternary lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 307-315.	1.4	42
33	Synthesis of Cyclododeciptycene Quinones. Journal of the American Chemical Society, 2010, 132, 17635-17641.	6.6	28
34	Total syntheses of (Â±)-ovalicin, C4(Sâˆ—)-isomer, and its C5-analogs and anti-trypanosomal activities. Bioorganic and Medicinal Chemistry, 2008, 16, 5232-5246.	1.4	11
35	Structure and function of eritadenine and its 3-deaza analogues: Potent inhibitors of S-adenosylhomocysteine hydrolase and hypocholesterolemic agents. Biochemical Pharmacology, 2007, 73, 981-989.	2.0	26
36	Syntheses, Molecular Targets and Antitumor Activities of Novel Triptycene Bisquinones and 1,4-Anthracenedione Analogs. Anti-Cancer Agents in Medicinal Chemistry, 2006, 6, 303-318.	0.9	11

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37	Rapid collapse of mitochondrial transmembrane potential in HL-60 cells and isolated mitochondria treated with anti-tumor 1,4-anthracenediones. Anti-Cancer Drugs, 2005, 16, 953-967.	0.7	20
38	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. Biochemical Pharmacology, 2004, 67, 523-537.	2.0	29
39	Synthesis and in vitro antitumor activity of substituted anthracene-1,4-diones. Tetrahedron, 2004, 60, 10155-10163.	1.0	20
40	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. Anti-Cancer Drugs, 2004, 15, 929-946.	0.7	19
41	Parallel and perpendicular stacking of ferrocene rings.. Inorganica Chimica Acta, 2003, 350, 259-265.	1.2	11
42	Synthesis of La(III), Y(III) complexes with polyglycol aldehyde-amino acid Schiff base and their high resolution solid state13C NMR spectra. Science in China Series B: Chemistry, 1999, 42, 599-604.	0.8	2