Aiping Fan

List of Publications by Year in descending order

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Version: 2024-02-01

49 papers	1,979 citations	236925 25 h-index	243625 44 g-index
49 all docs	49 docs citations	49 times ranked	2612 citing authors

#	Article	IF	Citations
1	Triggered All-Active Metal Organic Framework: Ferroptosis Machinery Contributes to the Apoptotic Photodynamic Antitumor Therapy. Nano Letters, 2019, 19, 7866-7876.	9.1	228
2	Magnetic Bead-Based Chemiluminescent Metal Immunoassay with a Colloidal Gold Label. Analytical Chemistry, 2005, 77, 3238-3242.	6.5	178
3	Triggered ferroptotic polymer micelles for reversing multidrug resistance to chemotherapy. Biomaterials, 2019, 223, 119486.	11.4	159
4	Electron-Accepting Micelles Deplete Reduced Nicotinamide Adenine Dinucleotide Phosphate and Impair Two Antioxidant Cascades for Ferroptosis-Induced Tumor Eradication. ACS Nano, 2020, 14, 14715-14730.	14.6	118
5	Silver nanoclusters-catalyzed luminol chemiluminescence for hydrogen peroxide and uric acid detection. Talanta, 2017, 166, 268-274.	5.5	85
6	Multifunctional Micelles Dually Responsive to Hypoxia and Singlet Oxygen: Enhanced Photodynamic Therapy via Interactively Triggered Photosensitizer Delivery. ACS Applied Materials & Interfaces, 2018, 10, 17117-17128.	8.0	73
7	Boosting the Ferroptotic Antitumor Efficacy via Site-Specific Amplification of Tailored Lipid Peroxidation. ACS Applied Materials & Interfaces, 2019, 11, 29655-29666.	8.0	68
8	Dendrimer-mediated drug delivery to the skin. Soft Matter, 2012, 8, 4301.	2.7	62
9	Acetal-linked polymeric prodrug micelles for enhanced curcumin delivery. Colloids and Surfaces B: Biointerfaces, 2016, 140, 11-18.	5.0	62
10	Upconverting Nanocarriers Enable Triggered Microtubule Inhibition and Concurrent Ferroptosis Induction for Selective Treatment of Triple-Negative Breast Cancer. Nano Letters, 2020, 20, 6235-6245.	9.1	62
11	Chemiluminescence Platforms in Immunoassay and DNA Analyses. Analytical Sciences, 2009, 25, 587-597.	1.6	61
12	Direct colorimetric visualization of mercury (Hg2+) based on the formation of gold nanoparticles. Talanta, 2010, 82, 687-692.	5.5	50
13	In Situ Generation of Prussian Blue with Potassium Ferrocyanide to Improve the Sensitivity of Chemiluminescence Immunoassay Using Magnetic Nanoparticles as Label. Analytical Chemistry, 2019, 91, 4906-4912.	6.5	48
14	On-demand combinational delivery of curcumin and doxorubicin via a pH-labile micellar nanocarrier. International Journal of Pharmaceutics, 2015, 495, 572-578.	5.2	46
15	When self-assembly meets topology: an enhanced micelle stability. Chemical Communications, 2017, 53, 3822-3825.	4.1	45
16	Label-free chemiluminescent ATP aptasensor based on graphene oxide and an instantaneous derivatization of guanine bases. Biosensors and Bioelectronics, 2014, 51, 232-237.	10.1	41
17	Alleviating the Liver Toxicity of Chemotherapy via pH-Responsive Hepatoprotective Prodrug Micelles. ACS Applied Materials & Interfaces, 2018, 10, 21836-21846.	8.0	39
18	Hydroxylamine amplified gold nanoparticle-based aptameric system for the highly selective and sensitive detection of platelet-derived growth factor. Talanta, 2013, 103, 392-397.	5.5	37

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19	All-active antitumor micelles via triggered lipid peroxidation. Journal of Controlled Release, 2018, 286, 381-393.	9.9	36
20	Ratiometric co-delivery of multiple chemodrugs in a single nanocarrier. European Journal of Pharmaceutical Sciences, 2017, 107, 16-23.	4.0	34
21	Conformational Switching Immobilized Hairpin DNA Probes Following Subsequent Expanding of Gold Nanoparticles Enables Visual Detecting Sequence-specific DNA. Analytical Chemistry, 2011, 83, 7500-7506.	6.5	33
22	Covalent and non-covalent curcumin loading in acid-responsive polymeric micellar nanocarriers. Nanotechnology, 2015, 26, 275101.	2.6	33
23	Nanomaterial-enhanced chemiluminescence reactions and their applications. Analyst, The, 2020, 145, 7488-7510.	3.5	32
24	In Situ Probing Intracellular Drug Release from Redoxâ€Responsive Micelles by United FRET and AIE. Macromolecular Bioscience, 2018, 18, 1700339.	4.1	27
25	Turn-on chemiluminescent sensing platform for label-free protease detection using streptavidin-modified magnetic beads. Biosensors and Bioelectronics, 2014, 61, 45-50.	10.1	25
26	Self-immolative micellar drug delivery: The linker matters. Nano Research, 2018, 11, 6177-6189.	10.4	24
27	Colloidal goldâ€“polystyrene bead hybrid for chemiluminescent detection of sequence-specific DNA. Analyst, The, 2008, 133, 219-225.	3.5	23
28	Engineering hot-melt extruded solid dispersion for controlled release of hydrophilic drugs. European Journal of Pharmaceutical Sciences, 2017, 100, 109-115.	4.0	22
29	Improvement of mimetic peroxidase activity of gold nanoclusters on the luminol chemiluminescence reaction by surface modification with ethanediamine. Luminescence, 2018, 33, 751-758.	2.9	22
30	Enhancement effect of p-iodophenol on gold nanoparticle-catalyzed chemiluminescence and its applications in detection of thiols and guanidine. Talanta, 2018, 182, 523-528.	5.5	21
31	Photo-triggered micelles: simultaneous activation and release of microtubule inhibitors for on-demand chemotherapy. Biomaterials Science, 2018, 6, 511-518.	5.4	21
32	Turn-on colorimetric sensor for ultrasensitive detection of thrombin using fibrinogenâ€“gold nanoparticle conjugate. Analyst, The, 2013, 138, 1475.	3.5	17
33	Imidazole-Bearing Polymeric Micelles for Enhanced Cellular Uptake, Rapid Endosomal Escape, and On-demand Cargo Release. AAPS PharmSciTech, 2018, 19, 2610-2619.	3.3	16
34	A cascade amplification strategy based on rolling circle amplification and hydroxylamine amplified gold nanoparticles enables chemiluminescence detection of adenosine triphosphate. Analyst, The, 2014, 139, 3796-3803.	3.5	15
35	Doubleâ€Lock Nanomedicines Enable Tumorâ€Microenvironmentâ€Responsive Selective Antitumor Therapy. Advanced Functional Materials, 2021, 31, 2009157.	14.9	14
36	Controlled ROS production by corannulene: the vehicle makes a difference. Biomaterials Science, 2017, 5, 1236-1240.	5.4	12

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37	Hydroxylamine-amplified gold nanoparticles for the naked eye and chemiluminescent detection of sequence-specific DNA with notable potential for single-nucleotide polymorphism discrimination. Analyst, The, 2009, 134, 497-503.	3.5	11
38	Nitric oxide-releasing graft polymer micelles with distinct pendant amphiphiles. RSC Advances, 2015, 5, 67041-67048.	3.6	11
39	A chemiluminescence method for the determination of mercury(<scp>ii</scp>) ions by tuning the catalytic activity of gold nanoparticles with ethylenediamine. Analytical Methods, 2019, 11, 1317-1323.	2.7	11
40	Hydroxylamine-amplified gold nanoparticles for the homogeneous detection of sequence-specific DNA. Analyst, The, 2010, 135, 1400.	3.5	10
41	Employment of bromophenol red and bovine serum albumin as luminol signal co-enhancer in chemiluminescent detection of sequence-specific DNA. Talanta, 2016, 148, 264-271.	5.5	10
42	Oneâ€step synthesis of cationic gold nanoclusters with high catalytic activity on luminol chemiluminescence reaction. Luminescence, 2021, 36, 85-93.	2.9	9
43	Sensitive Chemiluminescent Sensing Method for Mercury(II) Ions Based on Monolayer Molybdenum Disulfide. Analytical Sciences, 2019, 35, 551-556.	1.6	8
44	Gold Nanocluster-catalyzed Luminol Chemiluminescent Sensing Method for Sensitive and Selective Detection of Alkaline Phosphatase. Analytical Sciences, 2020, 36, 1075-1079.	1.6	7
45	A Simple Colorimetric Analytical Assay for the Determination of Tetracyclines Based on In-situ Generation of Gold Nanoparticles Coupling with a Gold Staining Technique. Analytical Sciences, 2021, 37, 1583-1587.	1.6	6
46	Cationic liposome-triggered luminol chemiluminescence reaction and its applications. Analyst, The, 2020, 145, 4551-4559.	3.5	5
47	Colorimetric assay for tetracyclines based on europium ion-induced aggregation of gold nanoparticles. Analytical Sciences, 2022, 38, 1073-1081.	1.6	2
48	One-Step Chemiluminescent Determination of Glucose by a Functionalized Graphene Nanocomposite. Analytical Letters, 0, , 1-14.	1.8	0
49	Enhancement effect of 2, 3-dimethyl maleic acid on luminol chemiluminescence reactions and its application in detection of sequence-specific DNA related to hepatitis B virus. Talanta, 2022, 250, 123724.	5.5	0