

Dong Zhu

List of Publications by Year in descending order

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36
papers

874
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623734

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477307

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37
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37
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1342
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#	ARTICLE	IF	CITATIONS
1	Förster resonance energy transfer (FRET)-based biosensors for biological applications. <i>Biosensors and Bioelectronics</i> , 2019, 138, 111314.	10.1	148
2	Natural skin-whitening compounds for the treatment of melanogenesis (Review). <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 173-185.	1.8	88
3	Suppressive Effect of Ginsenoside Rg3 against Lipopolysaccharide-Induced Depression-Like Behavior and Neuroinflammation in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6861-6869.	5.2	79
4	Manganese-Doped ZnSe Quantum Dots as a Probe for Time-Resolved Fluorescence Detection of 5-Fluorouracil. <i>Analytical Chemistry</i> , 2011, 83, 9076-9081.	6.5	66
5	Green synthesis and potential application of low-toxic Mn:ZnSe/ZnS core/shell luminescent nanocrystals. <i>Chemical Communications</i> , 2010, 46, 5226.	4.1	59
6	Silver nanoparticles-enhanced time-resolved fluorescence sensor for VEGF165 based on Mn-doped ZnS quantum dots. <i>Biosensors and Bioelectronics</i> , 2015, 74, 1053-1060.	10.1	45
7	Single-step, homogeneous and sensitive detection for microRNAs with dual-recognition steps based on luminescence resonance energy transfer (LRET) using upconversion nanoparticles. <i>Biosensors and Bioelectronics</i> , 2018, 100, 475-481.	10.1	40
8	Fluorescent ligand fishing combination with in-situ imaging and characterizing to screen Hsp 90 inhibitors from <i>Curcuma longa</i> L. based on InP/ZnS quantum dots embedded mesoporous nanoparticles. <i>Talanta</i> , 2018, 178, 258-267.	5.5	30
9	Gut microbiota in the pharmacokinetics and colonic deglycosylation metabolism of ginsenoside Rb1 in rats: Contrary effects of antimicrobials treatment and restraint stress. <i>Chemico-Biological Interactions</i> , 2016, 258, 187-196.	4.0	29
10	Preparation of Microkernel-Based Mesoporous (SiO ₂) ² @SiO ₂ Fluorescent Nanoparticles for Imaging Screening and Enrichment of Heat Shock Protein 90 Inhibitors from <i>Tripterygium Wilfordii</i> . <i>Analytical Chemistry</i> , 2018, 90, 5678-5686.	6.5	21
11	Glutathione-functionalized Mn:ZnS/ZnO core/shell quantum dots as potential time-resolved FRET bioprobes. <i>RSC Advances</i> , 2014, 4, 9372.	3.6	18
12	Tailored Biosensors for Drug Screening, Efficacy Assessment, and Toxicity Evaluation. <i>ACS Sensors</i> , 2021, 6, 3146-3162.	7.8	18
13	Fabrication of PEDOT nanowhiskers for electrical connection of the hemoglobin active center for H ₂ O ₂ electrochemical biosensing. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3451.	5.8	16
14	Robust nanoplasmonic substrates for aptamer macroarrays with single-step detection of PDGF-BB. <i>Biosensors and Bioelectronics</i> , 2016, 85, 429-436.	10.1	16
15	A theranostic microneedle array patch for integrated glycemia sensing and self-regulated release of insulin. <i>Biomaterials Science</i> , 2022, 10, 1209-1216.	5.4	16
16	Microwave-assisted aqueous synthesis of Mn-doped ZnS quantum dots and their room-temperature phosphorescence detection of indapamide. <i>Analytical Methods</i> , 2014, 6, 7489-7495.	2.7	14
17	Fabrication of functionalized SiO ₂ /TiO ₂ nanocomposites via amidation for the fast and selective enrichment of phosphopeptides. <i>New Journal of Chemistry</i> , 2015, 39, 6540-6547.	2.8	14
18	Colorimetric and fluorometric dual-channel detection of Î±-fetoprotein based on the use of ZnS-CdTe hierarchical porous nanospheres. <i>Mikrochimica Acta</i> , 2019, 186, 124.	5.0	14

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19	Solid-phase extraction based on a molecularly imprinted polymer nanoshell at the surface of silica nanospheres for the specific enrichment and identification of alkaloids from <i>Crinum asiaticum</i> L. var. <i>sinicum</i> . <i>Journal of Separation Science</i> , 2017, 40, 1150-1157.	2.5	13
20	Screening and identification of ligand-protein interactions using functionalized heat shock protein 90-fluorescent mesoporous silica-indium phosphide/zinc sulfide quantum dot nanocomposites. <i>Journal of Chromatography A</i> , 2018, 1562, 1-11.	3.7	13
21	Self-assembled Mn-doped ZnSe quantum dot@methyl viologen nanohybrids as an OFF-ON fluorescent probe for time-resolved fluorescence detection of tiopronin. <i>Analytical Methods</i> , 2013, 5, 4321.	2.7	12
22	An ultrasensitive electrochemical cytosensor for highly specific detection of HL-60 cancer cells based on metal ion functionalized titanium phosphate nanospheres. <i>Analyst</i> , 2018, 143, 5170-5175.	3.5	11
23	Development of polyacrylic acid-functionalized porous zinc sulfide nanospheres for a non-aqueous solid phase extraction procedure toward alkaloids. <i>RSC Advances</i> , 2015, 5, 29820-29827.	3.6	10
24	Available sustainable alternatives replace endangered animal horn based on their proteomic analysis and bio-effect evaluation. <i>Scientific Reports</i> , 2016, 6, 36027.	3.3	10
25	Layer-by-layer functionalized porous Zinc sulfide nanospheres-based solid-phase extraction combined with liquid chromatography time-of-flight/mass and gas chromatography-mass spectrometry for the specific enrichment and identification of alkaloids from <i>Crinum asiaticum</i> var. <i>sinicum</i> . <i>Analytica Chimica Acta</i> , 2016, 932, 60-68.	5.4	10
26	Fluorometric visualization of mucin 1 glycans on cell surfaces based on rolling-mediated cascade amplification and CdTe quantum dots. <i>Mikrochimica Acta</i> , 2019, 186, 721.	5.0	10
27	Novel computer-assisted separation prediction strategy for online-enrichment-HPLC-FLD in simultaneous monitoring of bisphenols in children's water bottles. <i>Food Chemistry</i> , 2021, 339, 127766.	8.2	10
28	Functionalized reduced graphene oxide with aptamer macroarray for cancer cell capture and fluorescence detection. <i>Mikrochimica Acta</i> , 2020, 187, 407.	5.0	9
29	Specific enrichment combined with highly efficient solid-phase tagging for the sensitive detection of heparin based on boronic acid-functionalized mesoporous silica nanospheres. <i>Chemical Communications</i> , 2016, 52, 11779-11782.	4.1	8
30	Hybrid Poly(AMPS)-CS-Au Microneedle Arrays to Enrich Metabolites from Skin for Early Disease Diagnosis. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100764.	7.6	7
31	pH-responsive drug release from porous zinc sulfide nanospheres based on coordination bonding. <i>RSC Advances</i> , 2014, 4, 33391-33398.	3.6	6
32	Comparative pharmacokinetic study of pyranocoumarins and khellactone in normal and acute lung injury rats after oral administration of <i>Peucedanum praeruptorum</i> Dunn extracts using a rapid and sensitive liquid chromatography-tandem mass spectrometry method. <i>Biomedical Chromatography</i> , 2017, 31, e3977.	1.7	3
33	Tumor-Penetrating Hierarchically Structured Nanomarker for Imaging-Guided Urinary Monitoring of Cancer. <i>ACS Sensors</i> , 2020, 5, 1567-1572.	7.8	3
34	None-Loss Target Release of Biomimetic CaCO ₃ Nanocomposites for Screening Bioactive Components and Target Proteins. <i>ACS Applied Bio Materials</i> , 2021, 4, 651-659.	4.6	2
35	Green synthesis of upconversion nanocrystals by adjusting local precursor supersaturation under aqueous conditions. <i>Materials Advances</i> , 2020, 1, 2707-2711.	5.4	1
36	Screening Technique for Heat Shock Protein 90 Inhibitors from Natural Products. <i>Heat Shock Proteins</i> , 2019, , 411-439.	0.2	1