Hong Xu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3730316/publications.pdf

Version: 2024-02-01

64 papers	1,713 citations	331538 21 h-index	289141 40 g-index
65 all docs	65 docs citations	65 times ranked	2583 citing authors

#	Article	IF	Citations
1	Evolution of â€œOn-Barcodeâ€•Luminescence Oxygen Channeling Immunoassay by Exploring the Barcode Structure and the Assay System. ACS Omega, 2022, 7, 2344-2355.	1.6	3
2	Landscape of the RBD-specific IgG, IgM, and IgA responses triggered by the inactivated virus vaccine against the Omicron variant. Cell Discovery, 2022, 8, 15.	3.1	14
3	Lupus enhancer risk variant causes dysregulation of IRF8 through cooperative lncRNA and DNA methylation machinery. Nature Communications, 2022, 13, 1855.	5.8	16
4	The Evaluation of Ovarian Function Recovery Following Treatment of Primary Ovarian Insufficiency: A Systematic Review. Frontiers in Endocrinology, 2022, 13, 855992.	1.5	4
5	Breaking through the Poisson Distribution: A compact high-efficiency droplet microfluidic system for single-bead encapsulation and digital immunoassay detection. Biosensors and Bioelectronics, 2022, 211, 114384.	5.3	25
6	Multiplexed digital ELISA in picoliter droplets based on enzyme signal amplification block and precisely decoding strategy: A universal and practical biodetection platform. Sensors and Actuators B: Chemical, 2022, 369, 132214.	4.0	7
7	SLE non-coding genetic risk variant determines the epigenetic dysfunction of an immune cell specific enhancer that controls disease-critical microRNA expression. Nature Communications, 2021, 12, 135.	5.8	48
8	Construction of macroinitiators labeled magnetic spheres as a notable signal amplification system for biosensing. Materials Letters, 2021, 287, 129287.	1.3	4
9	A magnetic bead-mediated selective adsorption strategy for extracellular vesicle separation and purification. Acta Biomaterialia, 2021, 124, 336-347.	4.1	26
10	Precisely Encoded Barcodes through the Structureâ€Fluorescence Combinational Strategy: A Flexible, Robust, and Versatile Multiplexed Biodetection Platform with Ultrahigh Encoding Capacities. Small, 2021, 17, e2100315.	5.2	13
11	Multiplexed Detection: Precisely Encoded Barcodes through the Structureâ€Fluorescence Combinational Strategy: A Flexible, Robust, and Versatile Multiplexed Biodetection Platform with Ultrahigh Encoding Capacities (Small 19/2021). Small, 2021, 17, 2170090.	5.2	0
12	A micro-chamber free digital biodetection method via the â€œsphere-labeled-sphereâ€•strategy. Sensors and Actuators B: Chemical, 2021, 337, 129794.	4.0	8
13	A tailored LNA clamping design principle: Efficient, economized, specific and ultrasensitive for the detection of point mutations. Biotechnology Journal, 2021, 16, e2100233.	1.8	6
14	Plasma biomarker profiles and the correlation with cognitive function across the clinical spectrum of Alzheimerâ€™s disease. Alzheimer's Research and Therapy, 2021, 13, 123.	3.0	39
15	Development of a Plasma Biomarker Diagnostic Model Incorporating Ultrasensitive Digital Immunoassay as a Screening Strategy for Alzheimer Disease in a Chinese Population. Clinical Chemistry, 2021, 67, 1628-1639.	1.5	20
16	A facile polymer mediated dye incorporation method for fluorescence encoded microbeads with large encoding capacities. Chemical Communications, 2021, 57, 4548-4551.	2.2	13
17	Plasma biomarker profiles and the association with cognitive function across the clinical spectrum of Alzheimer's disease. Alzheimer's and Dementia, 2021, 17, .	0.4	0
18	Combined Exosomal GPC1, CD82, and Serum CA19-9 as Multiplex Targets: A Specific, Sensitive, and Reproducible Detection Panel for the Diagnosis of Pancreatic Cancer. Molecular Cancer Research, 2020, 18, 300-310.	1.5	40

#	Article	IF	Citations
19	Platelets induce endothelialâ€“mesenchymal transition and subsequent fibrogenesis in endometriosis. Reproductive BioMedicine Online, 2020, 41, 500-517.	1.1	22
20	A noise-free, ultrasensitive and accurate miRNAs detection using streptavidin coated magnetic microsphere based stem-loop ligation PCR. Talanta, 2020, 213, 120845.	2.9	7
21	Droplets isolated array: A universal platform of delaying molecule cross-contamination between microdroplets for digital enzyme-based immunoassay. Sensors and Actuators B: Chemical, 2020, 324, 128716.	4.0	9
22	Multiplexed Luminescence Oxygen Channeling Immunoassay Based on Dualâ€Functional Barcodes with a Hostâ€“Guest Structure: A Facile and Robust Suspension Array Platform. Small, 2020, 16, e1907521.	5.2	14
23	Pointâ€ofâ€Care Diagnostics: Multiplexed Luminescence Oxygen Channeling Immunoassay Based on Dualâ€Functional Barcodes with a Hostâ€“Guest Structure: A Facile and Robust Suspension Array Platform (Small 17/2020). Small, 2020, 16, 2070096.	5.2	0
24	A spherical poly(acrylic acid) brushâ€“enzyme block with high catalytic capacity for signal amplification in digital biological assays. RSC Advances, 2019, 9, 23658-23665.	1.7	3
25	Ultrabright dye-loaded spherical polyelectrolyte brushes and their fundamental structure-fluorescence tuning principles. Nanoscale, 2019, 11, 14050-14059.	2.8	14
26	Expressions of natural cytotoxicity receptor, NKG2D and NKG2D ligands in endometriosis. Journal of Reproductive Immunology, 2019, 136, 102615.	0.8	16
27	Solid-phase PCR based on thermostable, encoded magnetic microspheres for simple, highly sensitive and multiplexed nucleic acid detection. Sensors and Actuators B: Chemical, 2019, 298, 126953.	4.0	6
28	Strategy to prevent cardiac toxicity induced by polyacrylic acid decorated iron MRI contrast agent and investigation of its mechanism. Biomaterials, 2019, 222, 119442.	5.7	9
29	Determination of the Binding Constant between Oligonucleotide-Coupled Magnetic Microspheres and Target DNA. ACS Omega, 2019, 4, 6931-6938.	1.6	7
30	Design and preparation of bi-functionalized short-chain modified zwitterionic nanoparticles. Acta Biomaterialia, 2018, 72, 239-247.	4.1	12
31	Polymers mediate a one-pot route for functionalized quantum dot barcodes with a large encoding capacity. Nanoscale, 2018, 10, 12461-12471.	2.8	13
32	Three-Dimensional Barcodes with Ultrahigh Encoding Capacities: A Flexible, Accurate, and Reproducible Encoding Strategy for Suspension Arrays. Chemistry of Materials, 2017, 29, 10398-10408.	3.2	41
33	Size-dependent optical properties of conjugated polymer nanoparticles. RSC Advances, 2017, 7, 55957-55965.	1.7	11
34	Micro-Droplet Detection Method for Measuring the Concentration of Alkaline Phosphatase-Labeled Nanoparticles in Fluorescence Microscopy. Sensors, 2017, 17, 2685.	2.1	5
35	Improving SERS uniformity by isolating hot spots in gold rod-in-shell nanoparticles. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	14
36	In-vitro depth-dependent hyperthermia of human mammary gland adenocarcinoma. Materials Science and Engineering C, 2016, 69, 12-16.	3.8	6

#	Article	IF	Citations
37	Dualâ€Encoded Microbeads through a Hostâ€“Guest Structure: Enormous, Flexible, and Accurate Barcodes for Multiplexed Assays. Advanced Functional Materials, 2016, 26, 6146-6157.	7.8	39
38	A Homogeneous Immunoassay Method for Detecting Interferon-Gamma in Patients with Latent Tuberculosis Infection. Journal of Microbiology and Biotechnology, 2016, 26, 588-595.	0.9	5
39	Functional short-chain zwitterion coated silica nanoparticles with antifouling property in protein solutions. Colloids and Surfaces B: Biointerfaces, 2015, 126, 251-256.	2.5	22
40	Synthesis and Biomedical Applications of Poly((meth)acrylic acid) Brushes. ACS Applied Materials & Interfaces, 2015, 7, 14537-14551.	4.0	50
41	Nanooptics of Plasmonic Nanomatryoshkas: Shrinking the Size of a Coreâ€“Shell Junction to Subnanometer. Nano Letters, 2015, 15, 6419-6428.	4.5	119
42	Improvement of Protein Immobilization and Bioactivity of Magnetic Carriers Using a Brushed Beads-on-Beads Structure. ACS Applied Materials & Interfaces, 2015, 7, 24390-24395.	4.0	9
43	Photothermal effects and toxicity of Fe3O4 nanoparticles via near infrared laser irradiation for cancer therapy. Materials Science and Engineering C, 2015, 46, 97-102.	3.8	33
44	Improvement of immunoassay detection sensitivity by using well-defined raspberry-like magnetic microbeads as carriers. Journal of Shanghai Jiaotong University (Science), 2014, 19, 538-543.	0.5	1
45	Progress of optically encoded microspheres for multiplexed assays. Journal of Shanghai Jiaotong University (Science), 2014, 19, 521-530.	0.5	1
46	Influence of the physical and chemical properties of magnetic nanoparticles on their performance in a chemiluminescence immunoassay. Clinical Biochemistry, 2014, 47, 220-226.	0.8	10
47	Determination of the affinity constant of streptavidin-coupled magnetic particles and a biotinylated antibody for high performance of magnetic solid carrier in immunoassays. Materials Science and Engineering C, 2014, 34, 422-428.	3.8	10
48	Covalent Immobilization of Proteins on 3D Poly(acrylic acid) Brushes: Mechanism Study and a More Effective and Controllable Process. Bioconjugate Chemistry, 2014, 25, 370-378.	1.8	39
49	Encoding through the hostâ€“guest structure: construction of multiplexed fluorescent beads. Chemical Communications, 2014, 50, 14041-14044.	2.2	22
50	Ultrasensitive ELISA Using Enzyme-Loaded Nanospherical Brushes as Labels. Analytical Chemistry, 2014, 86, 9367-9371.	3.2	92
51	Quantification of surface-anchored RAFT chain transfer agent on silica particles. Applied Surface Science, 2014, 300, 104-110.	3.1	10
52	Plasmonic rod-in-shell nanoparticles for photothermal therapy. Physical Chemistry Chemical Physics, 2014, 16, 12275-12281.	1.3	19
53	A facile route to the synthesis of spherical poly(acrylic acid) brushes via RAFT polymerization for high-capacity protein immobilization. Journal of Colloid and Interface Science, 2013, 398, 82-87.	5.0	60
54	The interaction of GSSG modified magnetic nanoparticles with SPC-A1 cells in vitro. Science Bulletin, 2012, 57, 3525-3531.	1.7	5

#	Article	IF	Citations
55	A facile, oneâ€step method for the determination of accessible surface primary amino groups on solid carriers. Surface and Interface Analysis, 2012, 44, 1309-1313.	0.8	7
56	Development of a Stable Dual Functional Coating with Low Non-specific Protein Adsorption and High Sensitivity for New Superparamagnetic Nanospheres. Langmuir, 2011, 27, 13669-13674.	1.6	34
57	Controllable preparation of epoxyâ€functionalized magnetic polymer latexes with different morphologies by modified miniemulsion polymerization. Journal of Polymer Science Part A, 2010, 48, 2284-2293.	2.5	21
58	Development of lateral flow immunoassay system based on superparamagnetic nanobeads as labels for rapid quantitative detection of cardiac troponin I. Materials Science and Engineering C, 2009, 29, 702-707.	3.8	80
59	Study of superparamagnetic nanoparticles as labels in the quantitative lateral flow immunoassay. Materials Science and Engineering C, 2009, 29, 714-718.	3.8	98
60	Relationship between surface structure and morphology of Fe3O4/silica composite nanospheres and nucleic acid extraction. Journal of Magnetism and Magnetic Materials, 2009, 321, 1485-1489.	1.0	1
61	Fractal analysis of polypropylene composite filled with nanoâ€calcium carbonate. Journal of Applied Polymer Science, 2008, 110, 1955-1960.	1.3	7
62	Preparation of hydrophilic magnetic nanospheres with high saturation magnetization. Journal of Magnetism and Magnetic Materials, 2007, 311, 125-130.	1.0	69
63	Developing a hybrid emulsion polymerization system to synthesize Fe₃O₄/polystyrene latexes with narrow size distribution and high magnetite content. Journal of Polymer Science Part A, 2007, 45, 5285-5295.	2.5	62
64	Development of High Magnetization Fe3O4/Polystyrene/Silica Nanospheres via Combined Miniemulsion/Emulsion Polymerization. Journal of the American Chemical Society, 2006, 128, 15582-15583.	6.6	290