

Yunlei Xianyu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7802937/publications.pdf>

Version: 2024-02-01

60
papers

4,079
citations

117625

34
h-index

128289

60
g-index

60
all docs

60
docs citations

60
times ranked

5420
citing authors

#	ARTICLE	IF	CITATIONS
1	A bio-inspired plasmonic nanosensor for angiotensin-converting enzyme through peptide-mediated assembly of gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113621.	10.1	12
2	Dietary exposure of copper and zinc oxides nanoparticles affect the fitness, enzyme activity, and microbial community of the model insect, silkworm <i>Bombyx mori</i> . <i>Science of the Total Environment</i> , 2022, 813, 152608.	8.0	31
3	A colorimetric sensing strategy for detecting 10-hydroxy-2-decenoic acid in royal jelly based on Ag(I)-tetramethylbenzidine. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131241.	7.8	3
4	Covalent Organic Framework-Incorporated Nanofibrous Membrane as an Intelligent Platform for Wound Dressing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8680-8692.	8.0	51
5	A New Strategy for Microbial Taxonomic Identification through Micro-Biosynthetic Gold Nanoparticles and Machine Learning. <i>Advanced Materials</i> , 2022, 34, e2109365.	21.0	21
6	Polydimethylsiloxane Membranes Incorporating Metal-Organic Frameworks for the Sustained Release of Antibacterial Agents. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12662-12673.	8.0	15
7	Nanobody and Nanozyme-Enabled Immunoassays with Enhanced Specificity and Sensitivity. <i>Small Methods</i> , 2022, 6, e2101576.	8.6	23
8	A Versatile Sensing Toolkit for Highly Sensitive Detection through the Electrical Conductivity of Gold Nanoparticles. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	3
9	Gold Nanomaterials-Implemented Wearable Sensors for Healthcare Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	70
10	Cyclodextrin metal-organic framework by ultrasound-assisted rapid synthesis for caffeic acid loading and antibacterial application. <i>Ultrasonics Sonochemistry</i> , 2022, 86, 106003.	8.2	29
11	Iodide-Mediated Rapid and Sensitive Surface Etching of Gold Nanostars for Biosensing. <i>Angewandte Chemie</i> , 2021, 133, 9979-9984.	2.0	4
12	Iodide-Mediated Rapid and Sensitive Surface Etching of Gold Nanostars for Biosensing. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9891-9896.	13.8	55
13	Array-Based Biosensors for Bacteria Detection: From the Perspective of Recognition. <i>Small</i> , 2021, 17, e2006230.	10.0	37
14	Versatile Biosensing Toolkit Using an Electronic Particle Counter. <i>Analytical Chemistry</i> , 2021, 93, 6178-6187.	6.5	20
15	Direct Transverse Relaxation Time Biosensing Strategy for Detecting Foodborne Pathogens through Enzyme-Mediated Sol-Gel Transition of Hydrogels. <i>Analytical Chemistry</i> , 2021, 93, 6613-6619.	6.5	37
16	Recent advances in gold nanoparticles-based biosensors for food safety detection. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113076.	10.1	193
17	When nano meets plants: A review on the interplay between nanoparticles and plants. <i>Nano Today</i> , 2021, 38, 101143.	11.9	70
18	Horseradish peroxidase-catalyzed formation of polydopamine for ultra-sensitive magnetic relaxation sensing of aflatoxin B1. <i>Journal of Hazardous Materials</i> , 2021, 419, 126403.	12.4	21

#	ARTICLE	IF	CITATIONS
19	Plasmonic sensing of β -glucuronidase activity via silver mirror reaction on gold nanostars. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113430.	10.1	7
20	Microfluidics-Implemented Biochemical Assays: From the Perspective of Readout. <i>Small</i> , 2020, 16, e1903388.	10.0	27
21	Carbon nanotube-mediated antibody-free suspension array for determination of typical endocrine-disrupting chemicals. <i>Mikrochimica Acta</i> , 2020, 187, 202.	5.0	3
22	Gd ³⁺ -nanoparticle-enhanced multivalent biosensing that combines magnetic relaxation switching and magnetic separation. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112106.	10.1	25
23	Broad-Range Magnetic Relaxation Switching Bioassays Using Click Chemistry-Mediated Assembly of Polystyrene Beads and Magnetic Nanoparticles. <i>ACS Sensors</i> , 2019, 4, 1942-1949.	7.8	42
24	Background Signal-Free Magnetic Bioassay for Food-Borne Pathogen and Residue of Veterinary Drug via Mn(VII)/Mn(II) Interconversion. <i>ACS Sensors</i> , 2019, 4, 2771-2777.	7.8	39
25	Nanoparticles-Enabled Surface-Enhanced Imaging Ellipsometry for Amplified Biosensing. <i>Analytical Chemistry</i> , 2019, 91, 6769-6774.	6.5	13
26	Amplified Magnetic Resonance Sensing via Enzyme-Mediated Click Chemistry and Magnetic Separation. <i>Analytical Chemistry</i> , 2019, 91, 15555-15562.	6.5	36
27	Enzyme-Free Amplification Strategy for Biosensing Using Fe ³⁺ -Poly(glutamic acid) Coordination Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 4725-4732.	6.5	27
28	Controllable Assembly of Enzymes for Multiplexed Lab-on-a-Chip Bioassays with a Tunable Detection Range. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7503-7507.	13.8	77
29	Controllable Assembly of Enzymes for Multiplexed Lab-on-a-Chip Bioassays with a Tunable Detection Range. <i>Angewandte Chemie</i> , 2018, 130, 7625-7629.	2.0	10
30	Functionalized Gold Nanoclusters Identify Highly Reactive Oxygen Species in Living Organisms. <i>Advanced Functional Materials</i> , 2018, 28, 1702026.	14.9	92
31	T ₁ -Mediated Nanosensor for Immunoassay Based on an Activatable MnO ₂ Nanoassembly. <i>Analytical Chemistry</i> , 2018, 90, 2765-2771.	6.5	21
32	Versatile T ₁ -Based Chemical Analysis Platform Using Fe ³⁺ /Fe ²⁺ Interconversion. <i>Analytical Chemistry</i> , 2018, 90, 1234-1240.	6.5	30
33	Cascade Reaction-Mediated Assembly of Magnetic/Silver Nanoparticles for Amplified Magnetic Biosensing. <i>Analytical Chemistry</i> , 2018, 90, 6906-6912.	6.5	48
34	Fe-T ₁ Sensor Based on Coordination Chemistry for Sensitive and Versatile Bioanalysis. <i>Analytical Chemistry</i> , 2018, 90, 9148-9155.	6.5	22
35	Magnetic particles-enabled biosensors for point-of-care testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 213-224.	11.4	127
36	Peptide-Mediated Controllable Cross-Linking of Gold Nanoparticles for Immunoassays with Tunable Detection Range. <i>Analytical Chemistry</i> , 2018, 90, 8234-8240.	6.5	35

#	ARTICLE	IF	CITATIONS
37	Surface Modification of Gold Nanoparticles with Small Molecules for Biochemical Analysis. <i>Accounts of Chemical Research</i> , 2017, 50, 310-319.	15.6	380
38	Double-Enzymes-Mediated Bioluminescent Sensor for Quantitative and Ultrasensitive Point-of-Care Testing. <i>Analytical Chemistry</i> , 2017, 89, 5422-5427.	6.5	72
39	Bioorthogonal Reaction-Mediated ELISA Using Peroxide Test Strip as Signal Readout for Point-of-Care Testing. <i>Analytical Chemistry</i> , 2017, 89, 6113-6119.	6.5	51
40	Gold nanoclusters-assisted delivery of NGF siRNA for effective treatment of pancreatic cancer. <i>Nature Communications</i> , 2017, 8, 15130.	12.8	246
41	Click Chemistry-Mediated Nanosensors for Biochemical Assays. <i>Theranostics</i> , 2016, 6, 969-985.	10.0	83
42	Point-of-Care Detection of β -Lactamase in Milk with a Universal Fluorogenic Probe. <i>Analytical Chemistry</i> , 2016, 88, 5605-5609.	6.5	19
43	A dual-readout chemiluminescent-gold lateral flow test for multiplex and ultrasensitive detection of disease biomarkers in real samples. <i>Nanoscale</i> , 2016, 8, 15205-15212.	5.6	93
44	Nanocrystalline Cellulose-Assisted Generation of Silver Nanoparticles for Nonenzymatic Glucose Detection and Antibacterial Agent. <i>Biomacromolecules</i> , 2016, 17, 2472-2478.	5.4	83
45	One-step detection of pathogens and cancer biomarkers by the naked eye based on aggregation of immunomagnetic beads. <i>Nanoscale</i> , 2016, 8, 1100-1107.	5.6	44
46	A Dispersion-Dominated Chromogenic Strategy for Colorimetric Sensing of Glutathione at the Nanomolar Level Using Gold Nanoparticles. <i>Small</i> , 2015, 11, 5510-5514.	10.0	90
47	One-Step Detection of Pathogens and Viruses: Combining Magnetic Relaxation Switching and Magnetic Separation. <i>ACS Nano</i> , 2015, 9, 3184-3191.	14.6	182
48	Horseradish Peroxidase-Mediated, Iodide-Catalyzed Cascade Reaction for Plasmonic Immunoassays. <i>Analytical Chemistry</i> , 2015, 87, 10688-10692.	6.5	83
49	Detection of the nanomolar level of total Cr(III) and Cr(VI) by functionalized gold nanoparticles and a smartphone with the assistance of theoretical calculation models. <i>Nanoscale</i> , 2015, 7, 2042-2049.	5.6	113
50	A Plasmonic Nanosensor for Immunoassay via Enzyme-Triggered Click Chemistry. <i>ACS Nano</i> , 2014, 8, 12741-12747.	14.6	176
51	Nanoscale materials and approaches for optical glucose assays. <i>Current Opinion in Chemical Engineering</i> , 2014, 4, 144-151.	7.8	15
52	Colorimetric Logic Gates through Molecular Recognition and Plasmonic Nanoparticles. <i>Small</i> , 2014, 10, 4833-4838.	10.0	41
53	A microfluidic tubing method and its application for controlled synthesis of polymeric nanoparticles. <i>Lab on A Chip</i> , 2014, 14, 1673-1677.	6.0	75
54	Point-of-care biochemical assays using gold nanoparticle-implemented microfluidics. <i>Chemical Society Reviews</i> , 2014, 43, 6239-6253.	38.1	290

#	ARTICLE	IF	CITATIONS
55	A microfluidic origami chip for synthesis of functionalized polymeric nanoparticles. <i>Nanoscale</i> , 2013, 5, 5262.	5.6	85
56	Enzymatic Assay for Cu(II) with Horseradish Peroxidase and Its Application in Colorimetric Logic Gate. <i>Analytical Chemistry</i> , 2013, 85, 7029-7032.	6.5	65
57	An ultrasensitive, non-enzymatic glucose assay via gold nanorod-assisted generation of silver nanoparticles. <i>Nanoscale</i> , 2013, 5, 6303.	5.6	53
58	Culturing Primary Human Osteoblasts on Electrospun Poly(lactic-co-glycolic acid) and Poly(lactic-co-glycolic acid)/Nanohydroxyapatite Scaffolds for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5921-5926.	8.0	61
59	Nanomaterials for Ultrasensitive Protein Detection. <i>Advanced Materials</i> , 2013, 25, 3802-3819.	21.0	174
60	Size-based hydrodynamic rare tumor cell separation in curved microfluidic channels. <i>Biomicrofluidics</i> , 2013, 7, 011802.	2.4	129