Limin Yang

List of Publications by Year in Descending Order

28 papers	923 citations	11 h-index	28 g-index
28 ext. papers	1,039 ext. citations	5.2 avg, IF	4.01 L-index

#	Paper	IF	Citations
28	A colorimetric aptasensing assay with adjustable color mutation points for threshold-readout detection of carcinoembryonic antigen. *Sensors and Actuators B: Chemical*, **2022**, 350, 130857	8.5	3
27	A syringe-aided apta-nanosensing method for colorimetric determination of acetamiprid. *Analytica Chimica Acta*, **2021**, 1150, 238118	6.6	3
26	Enhanced Artificial Enzyme Activities on the Reconstructed Sawtoothlike Nanofacets of Pure and Pr-Doped Ceria Nanocubes. *ACS Applied Materials & Interfaces*, **2021**, 13, 38061-38073	9.5	0
25	Photocatalytically renewable peptide-based electrochemical impedance method for sensing lipopolysaccharide. *Mikrochimica Acta*, **2020**, 187, 349	5.8	4
24	From DNA to Nerve Agents The Biomimetic Catalysts for the Hydrolysis of Phosphate Esters. *ChemistrySelect*, **2020**, 5, 9492-9516	1.8	7
23	An enzyme inhibition-based lab-in-a-syringe device for point-of-need determination of pesticides. *Analyst, The*, **2020**, 145, 3958-3966	5	4
22	An aptamer based aggregation assay for the neonicotinoid insecticide acetamiprid using fluorescent upconversion nanoparticles and DNA functionalized gold nanoparticles. *Mikrochimica Acta*, **2019**, 186, 308	5.8	23
21	Selective oxidation of glycerol on morphology controlled ceria nanomaterials. *Catalysis Science and Technology*, **2019**, 9, 2328-2334	5.5	17
20	Determination of Organophosphorus Pesticides in Fortified Tomatoes by Fluorescence Quenching of Cadmium Selenium Zinc Sulfide Quantum Dots. *Analytical Letters*, **2019**, 52, 729-744	2.2	6
19	A non-enzymatic nanoceria electrode for non-invasive glucose monitoring. *Analytical Methods*, **2018**, 10, 2151-2159	3.2	16
18	Fabrication of two-dimensional (2D) ordered microsphere aligned by supramolecular self-assembly of Formyl-azobenzene and dipeptide. *Journal of Colloid and Interface Science*, **2018**, 514, 491-495	9.3	8
17	Molecular weight impact on the mechanical forces between hyaluronan and its receptor. *Carbohydrate Polymers*, **2018**, 197, 326-336	10.3	10
16	The Impact of Ionic Liquid and Nanoparticles on Stabilizing Foam for Enhanced Oil Recovery. *ChemistrySelect*, **2018**, 3, 12461-12468	1.8	3
15	Double-decrease of the fluorescence of CdSe/ZnS quantum dots for the detection of zinc(II) dimethyldithiocarbamate (ziram) based on its interaction with gold nanoparticles. *Mikrochimica Acta*, **2018**, 185, 472	5.8	16
14	Improved Oxidase Mimetic Activity by Praseodymium Incorporation into Ceria Nanocubes. *ACS Applied Materials & Interfaces*, **2017**, 9, 18595-18608	9.5	48
13	Hyaluronan Tyrosine gold nanoparticles as an enzyme-free colorimetric probe for the detection of phosphorothiolate pesticides. *Analytical Methods*, **2017**, 9, 6139-6147	3.2	8
12	Swelling induced regeneration of TiO2-impregnated chitosan adsorbents under visible light. *Carbohydrate Polymers*, **2016**, 140, 433-41	10.3	11

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11	Interactions of hyaluronan grafted on protein surfaces studied using a quartz crystal microbalance and a surface force balance. *Soft Matter*, **2015**, 11, 7276-87	3.6	3
10	Properties of multi-phase foam and its flow behavior in porous media. *RSC Advances*, **2015**, 5, 67676-67689	3.7	22
9	Conversion of inhibition biosensing to substrate-like biosensing for quinalphos selective detection. *Analytical Chemistry*, **2015**, 87, 5270-7	7.8	15
8	Fabrication of ten-fold photonic quasicrystalline structures. *AIP Advances*, **2015**, 5, 057108	1.5	4
7	Utilization of Surfactant-Stabilized Foam for Enhanced Oil Recovery by Adding Nanoparticles. *Energy & Fuels*, **2014**, 28, 2384-2394	4.1	238
6	Real-time analysis of porphyrin J-aggregation on a plant-esterase-functionalized surface using quartz crystal microbalance with dissipation monitoring. *Langmuir*, **2014**, 30, 9962-71	4	4
5	Role of tryptophan in the active site of plant esterase: chemical modification and fluorometric studies. *Applied Biochemistry and Biotechnology*, **2013**, 170, 909-24	3.2	5
4	Interactions of hyaluronan layers with similarly charged surfaces: the effect of divalent cations. *Langmuir*, **2013**, 29, 12194-202	4	6
3	Monitoring the adulteration of milk with melamine: a visualised sensor array approach. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2013**, 30, 786-95	3.2	11
2	Lysozyme-stabilized gold fluorescent cluster: Synthesis and application as Hg(2+) sensor. *Analyst, The*, **2010**, 135, 1406-10	5	386
1	Purification of plant-esterase in PEG1000/NaH2PO4 aqueous two-phase system by a two-step extraction. *Process Biochemistry*, **2010**, 45, 1664-1671	4.8	42