Chun-Hua Lu

List of Publications by Year in Descending Order

56 papers	5,402 citations	26 h-index	62 g-index
62 ext. papers	5,931 ext. citations	10.5 avg, IF	5.75 L-index

#	Paper	IF	Citations
56	Target-driven assembly of DNAzyme probes for simultaneous electrochemical detection of multiplex microRNAs.. *Analyst, The*, **2021**,	5	2
55	Nucleic acid-based molecular computation heads towards cellular applications. *Chemical Society Reviews*, **2021**, 50, 12551-12575	58.5	6
54	Multifunctional Carbon Monoxide Prodrug-Loaded Nanoplatforms for Effective Photoacoustic Imaging-Guided Photothermal/Gas Synergistic Therapy.. *ACS Applied Bio Materials*, **2021**, 4, 4557-4564	4.1	3
53	Photogenerated Holes Mediated Nitric Oxide Production for Hypoxic Tumor Treatment. *Angewandte Chemie - International Edition*, **2021**, 60, 7046-7050	16.4	31
52	Accelerated DNA tetrahedron-based molecular beacon for efficient microRNA imaging in living cells. *Chemical Communications*, **2021**, 57, 3251-3254	5.8	8
51	Reducing PD-L1 expression with a self-assembled nanodrug: an alternative to PD-L1 antibody for enhanced chemo-immunotherapy. *Theranostics*, **2021**, 11, 1970-1981	12.1	13
50	Rational design of a prodrug to inhibit self-inflammation for cancer treatment. *Nanoscale*, **2021**, 13, 5817-5825	7.7	5
49	Photogenerated Holes Mediated Nitric Oxide Production for Hypoxic Tumor Treatment. *Angewandte Chemie*, **2021**, 133, 7122-7126	3.6	3
48	A Cyanine-Mediated Self-Assembly System for the Construction of a Two-in-One Nanodrug. *Angewandte Chemie - International Edition*, **2021**, 60, 21226-21230	16.4	2
47	Multistage Cooperative Nanodrug Combined with PD-L1 for Enhancing Antitumor Chemoimmunotherapy. *Advanced Healthcare Materials*, **2021**, 10, e2101199	10.1	3
46	A Cyanine-Mediated Self-Assembly System for the Construction of a Two-in-One Nanodrug. *Angewandte Chemie*, **2021**, 133, 21396-21400	3.6	
45	Localized DNA catalytic hairpin assembly reaction on DNA origami for tumor-associated microRNA detection and imaging in live cells. *Sensors and Actuators B: Chemical*, **2021**, 344, 130195	8.5	5
44	Ultrasensitive electrochemical detection of microRNA based on in-situ catalytic hairpin assembly actuated DNA tetrahedral interfacial probes. *Talanta*, **2021**, 233, 122600	6.2	5
43	Biodegradable Black-Phosphorus-Nanosheet-Based Nanoagent for Enhanced Chemo-Photothermal Therapy. *Particle and Particle Systems Characterization*, **2020**, 37, 2000243	3.1	3
42	Carbon-based dots for the electrochemical production of hydrogen peroxide. *Chemical Communications*, **2020**, 56, 7609-7612	5.8	7
41	Construction of a Target-Initiated, Enzyme-Free DNA Cascade Circuit for Amplified Detection of Mercury.. *ACS Applied Bio Materials*, **2020**, 3, 1853-1857	4.1	6
40	An electrochemical sensor based on enzyme-free recycling amplification for sensitive and specific detection of miRNAs from cancer cells. *Analyst, The*, **2020**, 145, 3353-3358	5	12

39	Switch-conversional ratiometric fluorescence biosensor for miRNA detection. *Biosensors and Bioelectronics*, **2020**, 155, 112104	11.8	15
38	H2O2-Responsive Nanogel for Enhancing Chemodynamic Therapy. *ChemNanoMat*, **2020**, 6, 1054-1058	3.5	9
37	Rational design of a hollow multilayer heterogeneous organic framework for photochemical applications. *Materials Chemistry Frontiers*, **2020**, 4, 2646-2654	7.8	4
36	Light-Controlled, Toehold-Mediated Logic Circuit for Assembly of DNA Tiles. *ACS Applied Materials & Interfaces*, **2020**, 12, 6336-6342	9.5	11
35	Bioinspired Mineral□Organic Bone Adhesives for Stable Fracture Fixation and Accelerated Bone Regeneration. *Advanced Functional Materials*, **2020**, 30, 1908381	15.6	58
34	Target-directed enzyme-free dual-amplification DNA circuit for rapid signal amplification. *Journal of Materials Chemistry B*, **2020**, 8, 10770-10775	7.3	5
33	Self-Assembled mRNA-Responsive DNA Nanosphere for Bioimaging and Cancer Therapy in Drug-Resistant Cells. *Analytical Chemistry*, **2020**, 92, 11779-11785	7.8	15
32	Functional Self-Assembled DNA Nanohydrogels for Specific Telomerase Activity Imaging and Telomerase-Activated Antitumor Gene Therapy. *Analytical Chemistry*, **2020**, 92, 15179-15186	7.8	10
31	Nucleic Acids Analysis. *Science China Chemistry*, **2020**, 64, 1-33	7.9	33
30	Active Self-Assembly of Train-Shaped DNA Nanostructures via Catalytic Hairpin Assembly Reactions. *Small*, **2019**, 15, e1901795	11	21
29	Biomimetic Design of Hollow Flower-Like g-C3N4@PDA Organic Framework Nanospheres for Realizing an Efficient Photoreactivity. *Small*, **2019**, 15, e1900011	11	52
28	DNA-mediated reversible capture and release of circulating tumor cells with a multivalent dual-specific aptamer coating network. *Chemical Communications*, **2019**, 55, 5387-5390	5.8	26
27	A black phosphorus nanosheet-based siRNA delivery system for synergistic photothermal and gene therapy. *Chemical Communications*, **2018**, 54, 3142-3145	5.8	74
26	Sensitive determination of bromhexine hydrochloride based on its quenching effect on luminol/H O electrochemiluminescence system. *Luminescence*, **2018**, 33, 698-703	2.5	4
25	Simultaneous voltammetry detection of dopamine and uric acid in human serum and urine with a poly(procaterol hydrochloride) modified glassy carbon electrode. *Talanta*, **2018**, 185, 203-212	6.2	20
24	Engineering of tungsten carbide nanoparticles for imaging-guided single 1,064 nm laser-activated dual-type photodynamic and photothermal therapy of cancer. *Nano Research*, **2018**, 11, 4859-4873	10	31
23	DNA Octahedron-Based Fluorescence Nanoprobe for Dual Tumor-Related mRNAs Detection and Imaging. *Analytical Chemistry*, **2018**, 90, 12059-12066	7.8	46
22	Spatial Regulation of Biomolecular Interactions with a Switchable Trident-Shaped DNA Nanoactuator. *ACS Applied Materials & Interfaces*, **2018**, 10, 32579-32587	9.5	10

21	Electrochemical investigation and determination of procaterol hydrochloride on poly(glutamic acid)/carboxyl functionalized multiwalled carbon nanotubes/polyvinyl alcohol modified glassy carbon electrode. *Talanta*, **2017**, 174, 436-443	6.2	13
20	High photoluminescent carbon based dots with tunable emission color from orange to green. *Nanoscale*, **2017**, 9, 1028-1032	7.7	40
19	Copper Manganese Sulfide Nanoplates: A New Two-Dimensional Theranostic Nanoplatform for MRI/MSOT Dual-Modal Imaging-Guided Photothermal Therapy in the Second Near-Infrared Window. *Theranostics*, **2017**, 7, 4763-4776	12.1	72
18	Fullerene-Structural Carbon-Based Dots from C60 Molecules and their Optical Properties. *Particle and Particle Systems Characterization*, **2016**, 33, 916-923	3.1	5
17	Functional nucleic acid-based hydrogels for bioanalytical and biomedical applications. *Chemical Society Reviews*, **2016**, 45, 1410-31	58.5	328
16	Graphitic Carbon Nitride Materials: Sensing, Imaging and Therapy. *Small*, **2016**, 12, 5376-5393	11	152
15	A colorimetric assay for measuring iodide using Au@Ag core-shell nanoparticles coupled with Cu(2+). *Analytica Chimica Acta*, **2015**, 891, 269-76	6.6	38
14	From cascaded catalytic nucleic acids to enzyme-DNA nanostructures: controlling reactivity, sensing, logic operations, and assembly of complex structures. *Chemical Reviews*, **2014**, 114, 2881-941	68.1	498
13	Sensing HIV related protein using epitope imprinted hydrophilic polymer coated quartz crystal microbalance. *Biosensors and Bioelectronics*, **2012**, 31, 439-44	11.8	176
12	Ultrasensitive detection of Cu2+ with the naked eye and application in immunoassays. *NPG Asia Materials*, **2012**, 4, e10-e10	10.3	57
11	General approach for monitoring peptide-protein interactions based on graphene-peptide complex. *Analytical Chemistry*, **2011**, 83, 7276-82	7.8	85
10	Multiplex detection of nucleases by a graphene-based platform. *Journal of Materials Chemistry*, **2011**, 21, 10915		26
9	Using graphene to protect DNA from cleavage during cellular delivery. *Chemical Communications*, **2010**, 46, 3116-8	5.8	319
8	Mussel-inspired molecularly imprinted polymer coating superparamagnetic nanoparticles for protein recognition. *Journal of Materials Chemistry*, **2010**, 20, 880-883		234
7	Increasing the sensitivity and single-base mismatch selectivity of the molecular beacon using graphene oxide as the "nanoquencher". *Chemistry - A European Journal*, **2010**, 16, 4889-94	4.8	173
6	Amplified Aptamer-Based Assay through Catalytic Recycling of the Analyte. *Angewandte Chemie*, **2010**, 122, 8632-8635	3.6	43
5	Amplified aptamer-based assay through catalytic recycling of the analyte. *Angewandte Chemie - International Edition*, **2010**, 49, 8454-7	16.4	199
4	A Graphene Platform for Sensing Biomolecules. *Angewandte Chemie*, **2009**, 121, 4879-4881	3.6	444

3	A graphene platform for sensing biomolecules. *Angewandte Chemie - International Edition*, **2009**, 48, 4785-87	11.674	1688
2	Bifunctional superparamagnetic surface molecularly imprinted polymer core-shell nanoparticles. *Journal of Materials Chemistry*, **2009**, 19, 1077		65
1	Surface-imprinted core-shell nanoparticles for sorbent assays. *Analytical Chemistry*, **2007**, 79, 5457-61	7.8	183