

# Chun-Hua Lu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A graphene platform for sensing biomolecules. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 4785-4791	16.4	1688
55	From cascaded catalytic nucleic acids to enzyme-DNA nanostructures: controlling reactivity, sensing, logic operations, and assembly of complex structures. <i>Chemical Reviews</i> , <b>2014</b> , 114, 2881-941	68.1	498
54	A Graphene Platform for Sensing Biomolecules. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 4879-4881	3.6	444
53	Functional nucleic acid-based hydrogels for bioanalytical and biomedical applications. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 1410-31	58.5	328
52	Using graphene to protect DNA from cleavage during cellular delivery. <i>Chemical Communications</i> , <b>2010</b> , 46, 3116-8	5.8	319
51	Mussel-inspired molecularly imprinted polymer coating superparamagnetic nanoparticles for protein recognition. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 880-883		234
50	Amplified aptamer-based assay through catalytic recycling of the analyte. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 8454-7	16.4	199
49	Surface-imprinted core-shell nanoparticles for sorbent assays. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 5457-61	7.8	183
48	Sensing HIV related protein using epitope imprinted hydrophilic polymer coated quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 31, 439-44	11.8	176
47	Increasing the sensitivity and single-base mismatch selectivity of the molecular beacon using graphene oxide as the "nanoquencher". <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 4889-94	4.8	173
46	Graphitic Carbon Nitride Materials: Sensing, Imaging and Therapy. <i>Small</i> , <b>2016</b> , 12, 5376-5393	11	152
45	General approach for monitoring peptide-protein interactions based on graphene-peptide complex. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7276-82	7.8	85
44	A black phosphorus nanosheet-based siRNA delivery system for synergistic photothermal and gene therapy. <i>Chemical Communications</i> , <b>2018</b> , 54, 3142-3145	5.8	74
43	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. <i>Theranostics</i> , <b>2017</b> , 7, 4763-4776	12.1	72
42	Bifunctional superparamagnetic surface molecularly imprinted polymer core-shell nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1077		65
41	Bioinspired Mineral/Organic Bone Adhesives for Stable Fracture Fixation and Accelerated Bone Regeneration. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908381	15.6	58
40	Ultrasensitive detection of Cu <sup>2+</sup> with the naked eye and application in immunoassays. <i>NPG Asia Materials</i> , <b>2012</b> , 4, e10-e10	10.3	57

39	Biomimetic Design of Hollow Flower-Like g-C <sub>3</sub> N <sub>4</sub> @PDA Organic Framework Nanospheres for Realizing an Efficient Photoreactivity. <i>Small</i> , <b>2019</b> , 15, e1900011	11	52
38	DNA Octahedron-Based Fluorescence Nanoprobe for Dual Tumor-Related mRNAs Detection and Imaging. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12059-12066	7.8	46
37	Amplified Aptamer-Based Assay through Catalytic Recycling of the Analyte. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 8632-8635	3.6	43
36	High photoluminescent carbon based dots with tunable emission color from orange to green. <i>Nanoscale</i> , <b>2017</b> , 9, 1028-1032	7.7	40
35	A colorimetric assay for measuring iodide using Au@Ag core-shell nanoparticles coupled with Cu(2+). <i>Analytica Chimica Acta</i> , <b>2015</b> , 891, 269-76	6.6	38
34	Nucleic Acids Analysis. <i>Science China Chemistry</i> , <b>2020</b> , 64, 1-33	7.9	33
33	Engineering of tungsten carbide nanoparticles for imaging-guided single 1,064 nm laser-activated dual-type photodynamic and photothermal therapy of cancer. <i>Nano Research</i> , <b>2018</b> , 11, 4859-4873	10	31
32	Photogenerated Holes Mediated Nitric Oxide Production for Hypoxic Tumor Treatment. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7046-7050	16.4	31
31	DNA-mediated reversible capture and release of circulating tumor cells with a multivalent dual-specific aptamer coating network. <i>Chemical Communications</i> , <b>2019</b> , 55, 5387-5390	5.8	26
30	Multiplex detection of nucleases by a graphene-based platform. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10915		26
29	Active Self-Assembly of Train-Shaped DNA Nanostructures via Catalytic Hairpin Assembly Reactions. <i>Small</i> , <b>2019</b> , 15, e1901795	11	21
28	Simultaneous voltammetry detection of dopamine and uric acid in human serum and urine with a poly(procaterol hydrochloride) modified glassy carbon electrode. <i>Talanta</i> , <b>2018</b> , 185, 203-212	6.2	20
27	Switch-conversional ratiometric fluorescence biosensor for miRNA detection. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 155, 112104	11.8	15
26	Self-Assembled mRNA-Responsive DNA Nanosphere for Bioimaging and Cancer Therapy in Drug-Resistant Cells. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 11779-11785	7.8	15
25	Electrochemical investigation and determination of procaterol hydrochloride on poly(glutamic acid)/carboxyl functionalized multiwalled carbon nanotubes/polyvinyl alcohol modified glassy carbon electrode. <i>Talanta</i> , <b>2017</b> , 174, 436-443	6.2	13
24	Reducing PD-L1 expression with a self-assembled nanodrug: an alternative to PD-L1 antibody for enhanced chemo-immunotherapy. <i>Theranostics</i> , <b>2021</b> , 11, 1970-1981	12.1	13
23	An electrochemical sensor based on enzyme-free recycling amplification for sensitive and specific detection of miRNAs from cancer cells. <i>Analyst, The</i> , <b>2020</b> , 145, 3353-3358	5	12
22	Light-Controlled, Toehold-Mediated Logic Circuit for Assembly of DNA Tiles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6336-6342	9.5	11

21	Functional Self-Assembled DNA Nanohydrogels for Specific Telomerase Activity Imaging and Telomerase-Activated Antitumor Gene Therapy. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 15179-15186	7.8	10
20	Spatial Regulation of Biomolecular Interactions with a Switchable Trident-Shaped DNA Nanoactuator. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 32579-32587	9.5	10
19	H2O2-Responsive Nanogel for Enhancing Chemodynamic Therapy. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1054-1058	3.5	9
18	Accelerated DNA tetrahedron-based molecular beacon for efficient microRNA imaging in living cells. <i>Chemical Communications</i> , <b>2021</b> , 57, 3251-3254	5.8	8
17	Carbon-based dots for the electrochemical production of hydrogen peroxide. <i>Chemical Communications</i> , <b>2020</b> , 56, 7609-7612	5.8	7
16	Construction of a Target-Initiated, Enzyme-Free DNA Cascade Circuit for Amplified Detection of Mercury.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 1853-1857	4.1	6
15	Nucleic acid-based molecular computation heads towards cellular applications. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 12551-12575	58.5	6
14	Fullerene-Structural Carbon-Based Dots from C60 Molecules and their Optical Properties. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 916-923	3.1	5
13	Target-directed enzyme-free dual-amplification DNA circuit for rapid signal amplification. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10770-10775	7.3	5
12	Rational design of a prodrug to inhibit self-inflammation for cancer treatment. <i>Nanoscale</i> , <b>2021</b> , 13, 5817-5825	7.5	5
11	Localized DNA catalytic hairpin assembly reaction on DNA origami for tumor-associated microRNA detection and imaging in live cells. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 344, 130195	8.5	5
10	Ultrasensitive electrochemical detection of microRNA based on in-situ catalytic hairpin assembly actuated DNA tetrahedral interfacial probes. <i>Talanta</i> , <b>2021</b> , 233, 122600	6.2	5
9	Sensitive determination of bromhexine hydrochloride based on its quenching effect on luminol/H <sub>2</sub> O electrochemiluminescence system. <i>Luminescence</i> , <b>2018</b> , 33, 698-703	2.5	4
8	Rational design of a hollow multilayer heterogeneous organic framework for photochemical applications. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2646-2654	7.8	4
7	Biodegradable Black-Phosphorus-Nanosheet-Based Nanoagent for Enhanced Chemo-Photothermal Therapy. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 2000243	3.1	3
6	Multifunctional Carbon Monoxide Prodrug-Loaded Nanoplatfoms for Effective Photoacoustic Imaging-Guided Photothermal/Gas Synergistic Therapy.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4557-4564	4.1	3
5	Photogenerated Holes Mediated Nitric Oxide Production for Hypoxic Tumor Treatment. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7122-7126	3.6	3
4	Multistage Cooperative Nanodrug Combined with PD-L1 for Enhancing Antitumor Chemoimmunotherapy. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2101199	10.1	3

3	Target-driven assembly of DNAzyme probes for simultaneous electrochemical detection of multiplex microRNAs.. <i>Analyst, The</i> , <b>2021</b> ,	5	2
2	A Cyanine-Mediated Self-Assembly System for the Construction of a Two-in-One Nanodrug. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 21226-21230	16.4	2
1	A Cyanine-Mediated Self-Assembly System for the Construction of a Two-in-One Nanodrug. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 21396-21400	3.6	