

# Youhui Lin

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1238767/youhui-lin-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

75  
papers

5,008  
citations

30  
h-index

70  
g-index

82  
ext. papers

5,530  
ext. citations

9.5  
avg, IF

5.93  
L-index

#	Paper	IF	Citations
75	Catalytically active nanomaterials: a promising candidate for artificial enzymes. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 1097-105	24.3	846
74	Carbon nanodots as fluorescence probes for rapid, sensitive, and label-free detection of Hg <sup>2+</sup> and biothiols in complex matrices. <i>Chemical Communications</i> , <b>2012</b> , 48, 1147-9	5.8	623
73	Incorporating graphene oxide and gold nanoclusters: a synergistic catalyst with surprisingly high peroxidase-like activity over a broad pH range and its application for cancer cell detection. <i>Advanced Materials</i> , <b>2013</b> , 25, 2594-9	24	372
72	Nano-gold as artificial enzymes: hidden talents. <i>Advanced Materials</i> , <b>2014</b> , 26, 4200-17	24	290
71	A dual fluorometric and colorimetric sensor for dopamine based on BSA-stabilized Au nanoclusters. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 42, 41-6	11.8	218
70	Modulating DNA-templated silver nanoclusters for fluorescence turn-on detection of thiol compounds. <i>Chemical Communications</i> , <b>2011</b> , 47, 3487-9	5.8	185
69	Silver nanoprobe for sensitive and selective colorimetric detection of dopamine via robust Ag-catechol interaction. <i>Chemical Communications</i> , <b>2011</b> , 47, 1181-3	5.8	184
68	Mesoporous silica-encapsulated gold nanoparticles as artificial enzymes for self-activated cascade catalysis. <i>Biomaterials</i> , <b>2013</b> , 34, 2600-10	15.6	177
67	Nanoceria-triggered synergetic drug release based on CeO <sub>2</sub> -capped mesoporous silica host-guest interactions and switchable enzymatic activity and cellular effects of CeO <sub>2</sub> . <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 1591-9	10.1	145
66	Bioresponsive hyaluronic acid-capped mesoporous silica nanoparticles for targeted drug delivery. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 1778-83	4.8	132
65	Near-infrared upconversion-activated CRISPR-Cas9 system: A remote-controlled gene editing platform. <i>Science Advances</i> , <b>2019</b> , 5, eaav7199	14.3	123
64	Combination of Graphene Oxide and Thiol-Activated DNA Metallization for Sensitive Fluorescence Turn-On Detection of Cysteine and Their Use for Logic Gate Operations. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 4565-4572	15.6	123
63	Self-assembly of an organic-inorganic hybrid nanoflower as an efficient biomimetic catalyst for self-activated tandem reactions. <i>Chemical Communications</i> , <b>2015</b> , 51, 4386-9	5.8	117
62	Biomineralization inspired surface engineering of nanocarriers for pH-responsive, targeted drug delivery. <i>Biomaterials</i> , <b>2013</b> , 34, 1364-71	15.6	104
61	Self-assembled, functionalized graphene and DNA as a universal platform for colorimetric assays. <i>Biomaterials</i> , <b>2013</b> , 34, 4810-7	15.6	99
60	Ionic liquid as an efficient modulator on artificial enzyme system: toward the realization of high-temperature catalytic reactions. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4207-10	16.4	93
59	Using thermally regenerable cerium oxide nanoparticles in biocomputing to perform label-free, resettable, and colorimetric logic operations. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 12579-83	16.4	77

58	DNA-templated silver nanoclusters-graphene oxide nanohybrid materials: a platform for label-free and sensitive fluorescence turn-on detection of multiple nucleic acid targets. <i>Analyst, The</i> , <b>2012</b> , 137, 2588-92	5	74
57	A NIR-controlled cage mimicking system for hydrophobic drug mediated cancer therapy. <i>Biomaterials</i> , <b>2017</b> , 139, 151-162	15.6	72
56	Artificial DNA nano-spring powered by protons. <i>Advanced Materials</i> , <b>2010</b> , 22, 2792-8	24	70
55	Positional assembly of hemin and gold nanoparticles in graphene-mesoporous silica nanohybrids for tandem catalysis. <i>Chemical Science</i> , <b>2015</b> , 6, 1272-1276	9.4	63
54	DNA-templated silver nanoparticles as a platform for highly sensitive and selective fluorescence turn-on detection of dopamine. <i>Small</i> , <b>2011</b> , 7, 1557-61	11	62
53	Protein-Directed Synthesis of Bifunctional Adsorbent-Catalytic Hemin-Graphene Nanosheets for Highly Efficient Removal of Dye Pollutants via Synergistic Adsorption and Degradation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 684-692	9.5	54
52	Poly(acrylic acid)-templated silver nanoclusters as a platform for dual fluorometric turn-on and colorimetric detection of mercury (II) ions. <i>Talanta</i> , <b>2012</b> , 88, 290-4	6.2	53
51	Exonuclease-aided amplification for label-free and fluorescence turn-on DNA detection based on aggregation-induced quenching. <i>Chemical Communications</i> , <b>2012</b> , 48, 11662-4	5.8	50
50	Flower-like polyaniline/graphene hybrids for high-performance supercapacitor. <i>Composites Science and Technology</i> , <b>2017</b> , 142, 286-293	8.6	47
49	Programming Performance of Silk Fibroin Materials by Controlled Nucleation. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8978-8990	15.6	46
48	Using Wool Keratin as a Basic Resist Material to Fabricate Precise Protein Patterns. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900870	24	39
47	Silver metallization engineered conformational switch of G-quadruplex for fluorescence turn-on detection of biothiols. <i>Chemical Communications</i> , <b>2012</b> , 48, 11428-30	5.8	34
46	Incorporating ATP into biomimetic catalysts for realizing exceptional enzymatic performance over a broad temperature range. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e114-e114	10.3	31
45	Recent advances in nanoparticulate biomimetic catalysts for combating bacteria and biofilms. <i>Nanoscale</i> , <b>2019</b> , 11, 22206-22215	7.7	29
44	The protein corona on nanoparticles as viewed from a nanoparticle-sizing perspective. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2018</b> , 10, e1500	9.2	27
43	Rheological properties and formation mechanism of DC electric fields induced konjac glucomannan-tungsten gels. <i>Carbohydrate Polymers</i> , <b>2016</b> , 142, 293-9	10.3	27
42	Highly sensitive and selective detection of thiol-containing biomolecules using DNA-templated silver deposition. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 28, 339-43	11.8	26
41	Flexible and Insoluble Artificial Synapses Based on Chemical Cross-Linked Wool Keratin. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002882	15.6	25

40	Fabrication of Crack-Free Photonic Crystal Films on Superhydrophobic Nanopin Surface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22037-22041	9.5	21
39	Meso-Reconstruction of Wool Keratin 3D "Molecular Springs" for Tunable Ultra-Sensitive and Highly Recovery Strain Sensors. <i>Small</i> , <b>2020</b> , 16, e2000128	11	20
38	Self-Assembly and Compartmentalization of Nanozymes in Mesoporous Silica-Based Nanoreactors. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 5705-11	4.8	20
37	Enzyme-regulated the changes of pH values for assembling a colorimetric and multistage interconnection logic network with multiple readouts. <i>Analytica Chimica Acta</i> , <b>2015</b> , 870, 92-8	6.6	18
36	Nanoparticle Probes for Super-Resolution Fluorescence Microscopy. <i>ChemNanoMat</i> , <b>2018</b> , 4, 253-264	3.5	15
35	Using Inorganic Nanomaterials to Endow Biocatalytic Systems with Unique Features. <i>Trends in Biotechnology</i> , <b>2016</b> , 34, 303-315	15.1	15
34	Tailoring the Meso-Structure of Gold Nanoparticles in Keratin-Based Activated Carbon Toward High-Performance Flexible Sensor. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 117	19.5	13
33	A semipermeable enzymatic nanoreactor as an efficient modulator for reversible pH regulation. <i>Nanoscale</i> , <b>2014</b> , 6, 11328-35	7.7	12
32	Graphene-supported biomimetic catalysts with synergistic effect of adsorption and degradation for efficient dye capture and removal. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 239-243	8.1	12
31	Using Thermally Regenerable Cerium Oxide Nanoparticles in Biocomputing to Perform Label-free, Resettable, and Colorimetric Logic Operations. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 12747-12751	3.6	11
30	Coupling exonuclease III with DNA metallization for amplified detection of biothiols at picomolar concentration. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 58, 214-8	11.8	10
29	Electrochromic performance of WO <sub>3</sub> films: optimization by crystal network topology modification. <i>CrystEngComm</i> , <b>2015</b> , 17, 6583-6590	3.3	8
28	High Carbonization Temperature to Trigger Enzyme Mimicking Activities of Silk-Derived Nanosheets. <i>Small</i> , <b>2020</b> , 16, e2004129	11	8
27	Remote activation of nanoparticulate biomimetic activity by light triggered pH-jump. <i>Chemical Communications</i> , <b>2018</b> , 54, 8641-8644	5.8	8
26	Facile On-Site Detection Based on Reactional Wettability Variation. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701326	4.6	7
25	Cancer Treatment: Incorporating Graphene Oxide and Gold Nanoclusters: A Synergistic Catalyst with Surprisingly High Peroxidase-Like Activity Over a Broad pH Range and its Application for Cancer Cell Detection (Adv. Mater. 18/2013). <i>Advanced Materials</i> , <b>2013</b> , 25, 2510-2510	24	7
24	Molecular-glue-triggered DNA assembly to form a robust and photoresponsive nano-network. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 8189-94	4.8	7
23	Recent Advances in Patterning Natural Polymers: From Nanofabrication Techniques to Applications.. <i>Small Methods</i> , <b>2021</b> , 5, e2001060	12.8	6

22	A nanoneedle-based reactional wettability variation sensor array for on-site detection of metal ions with a smartphone. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 547, 330-338	9.3	5
21	Silk Nanococoons: Bio-Nanoreactors for Enzymatic Catalytic Reactions and Applications to Alcohol Intoxication. <i>Small Science</i> , <b>2021</b> , 1, 2000049		5
20	Gold Nanoparticles Adsorbed on Graphene as Nanozymes for the Efficient Elimination of Dye Pollutants. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 94-100	5.6	5
19	Hot-Electron-Activated Peroxidase-Mimicking Activity of Ultrathin Pd Nanozymes. <i>Nanoscale Research Letters</i> , <b>2020</b> , 15, 162	5	4
18	Wool Keratin Photolithography as an Eco-Friendly Route to Fabricate Protein Microarchitectures.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 2891-2896	4.1	3
17	Wettability read-out strategy for aptamer target binding based on a recognition/hydrophobic bilayer surface. <i>Chemical Communications</i> , <b>2020</b> , 56, 6225-6228	5.8	3
16	A thermo-driven DNA zipper. <i>Chemical Communications</i> , <b>2013</b> , 49, 11281-3	5.8	3
15	The Role of Nanomaterials in Modulating the Structure and Function of Biomimetic Catalysts. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 764	5	3
14	Zeolitic Imidazolate Framework-90 Nanoparticles as Nanozymes to Mimic Organophosphorus Hydrolase. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 3345-3350	5.6	3
13	Carbonized zein nanosheets with intrinsic enzyme-mimicking activities and high photothermal conversion efficiency for synergistic cancer therapy. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 5047-5054	7.3	3
12	Advances in Synchrotron Radiation-based X-ray Absorption Spectroscopy to Characterize the Fine Atomic Structure of Single-atom Nanozymes. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2110-2116	4.5	2
11	Enzymatic manipulation of a DNA-mediated ensemble for sensitive fluorescence detection of glucose. <i>RSC Advances</i> , <b>2016</b> , 6, 33132-33137	3.7	2
10	Assembling Two-Phase Enzymatic Cascade Pathways in Pickering Emulsion. <i>ChemCatChem</i> , <b>2019</b> , 11, 1878-1883	5.2	2
9	Strain Sensors: Meso-Reconstruction of Wool Keratin 3D Molecular Springs for Tunable Ultra-Sensitive and Highly Recovery Strain Sensors (Small 24/2020). <i>Small</i> , <b>2020</b> , 16, 2070136	11	1
8	Supramolecular gels and mesoscopic structure. <i>International Journal of Modern Physics B</i> , <b>2018</b> , 32, 1840015	0.15	1
7	Hemin Covalently Functionalized Carbon Nanobranch with Enzyme-Like and Photocatalytic Activities for Synergistic Dye Degradation and Antibacterial Therapy. <i>Advanced Sustainable Systems</i> , <b>2021</b> , 5, 2100103	5.9	1
6	Recent advances in flexible and wearable chemo- and bio-sensors based on two-dimensional transition metal carbides and nitrides (MXenes).. <i>Journal of Materials Chemistry B</i> , <b>2022</b> ,	7.3	1
5	Constructing dual-readout logic operations based on the silk fibroin sol-gel transition. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 3005-3009	7.3	0

4	Mechanical Properties: Programming Performance of Silk Fibroin Materials by Controlled Nucleation (Adv. Funct. Mater. 48/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 9084-9084	15.6	o
3	Using Wool Keratin Derived Metallo-Nanozymes as a Robust Antioxidant Catalyst to Scavenge Reactive Oxygen Species Generated by Smoking.. <i>Small</i> , <b>2022</b> , e2201205	11	o
2	Assembling Two-Phase Enzymatic Cascade Pathways in Pickering Emulsion. <i>ChemCatChem</i> , <b>2019</b> , 11, 1791-1791	5.2	
1	Silk-Derived Nanosheets: High Carbonization Temperature to Trigger Enzyme Mimicking Activities of Silk-Derived Nanosheets (Small 42/2020). <i>Small</i> , <b>2020</b> , 16, 2070232	11	