

Youhui Lin

List of Publications by Year in Descending Order

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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.

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	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> , 2022 ,	7.3	1
74	Gold Nanoparticles Adsorbed on Graphene as Nanozymes for the Efficient Elimination of Dye Pollutants. <i>ACS Applied Nano Materials</i> , 2022 , 5, 94-100	5.6	5
73	Using Wool Keratin Derived Metallo-Nanozymes as a Robust Antioxidant Catalyst to Scavenge Reactive Oxygen Species Generated by Smoking.. <i>Small</i> , 2022 , e2201205	11	0
72	Zeolitic Imidazolate Framework-90 Nanoparticles as Nanozymes to Mimic Organophosphorus Hydrolase. <i>ACS Applied Nano Materials</i> , 2021 , 4, 3345-3350	5.6	3
71	Hemin Covalently Functionalized Carbon Nanobranch with Enzyme-Like and Photocatalytic Activities for Synergistic Dye Degradation and Antibacterial Therapy. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2100103	5.9	1
70	Carbonized zein nanosheets with intrinsic enzyme-mimicking activities and high photothermal conversion efficiency for synergistic cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 5047-5054	7.3	3
69	Silk Nanococoons: Bio-Nanoreactors for Enzymatic Catalytic Reactions and Applications to Alcohol Intoxication. <i>Small Science</i> , 2021 , 1, 2000049		5
68	Recent Advances in Patterning Natural Polymers: From Nanofabrication Techniques to Applications.. <i>Small Methods</i> , 2021 , 5, e2001060	12.8	6
67	Wool Keratin Photolithography as an Eco-Friendly Route to Fabricate Protein Microarchitectures.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2891-2896	4.1	3
66	Meso-Reconstruction of Wool Keratin 3D "Molecular Springs" for Tunable Ultra-Sensitive and Highly Recovery Strain Sensors. <i>Small</i> , 2020 , 16, e2000128	11	20
65	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> , 2020 , 15, 2110-2116	4.5	2
64	Tailoring the Meso-Structure of Gold Nanoparticles in Keratin-Based Activated Carbon Toward High-Performance Flexible Sensor. <i>Nano-Micro Letters</i> , 2020 , 12, 117	19.5	13
63	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> , 2020 , 16, 2070136	11	1
62	Wettability read-out strategy for aptamer target binding based on a recognition/hydrophobic bilayer surface. <i>Chemical Communications</i> , 2020 , 56, 6225-6228	5.8	3
61	Constructing dual-readout logic operations based on the silk fibroin sol-gel transition. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3005-3009	7.3	0
60	Hot-Electron-Activated Peroxidase-Mimicking Activity of Ultrathin Pd Nanozymes. <i>Nanoscale Research Letters</i> , 2020 , 15, 162	5	4
59	The Role of Nanomaterials in Modulating the Structure and Function of Biomimetic Catalysts. <i>Frontiers in Chemistry</i> , 2020 , 8, 764	5	3

58	Silk-Derived Nanosheets: High Carbonization Temperature to Trigger Enzyme Mimicking Activities of Silk-Derived Nanosheets (Small 42/2020). <i>Small</i> , 2020 , 16, 2070232	11	
57	High Carbonization Temperature to Trigger Enzyme Mimicking Activities of Silk-Derived Nanosheets. <i>Small</i> , 2020 , 16, e2004129	11	8
56	Flexible and Insoluble Artificial Synapses Based on Chemical Cross-Linked Wool Keratin. <i>Advanced Functional Materials</i> , 2020 , 30, 2002882	15.6	25
55	Graphene-supported biomimetic catalysts with synergistic effect of adsorption and degradation for efficient dye capture and removal. <i>Chinese Chemical Letters</i> , 2020 , 31, 239-243	8.1	12
54	Using Wool Keratin as a Basic Resist Material to Fabricate Precise Protein Patterns. <i>Advanced Materials</i> , 2019 , 31, e1900870	24	39
53	Assembling Two-Phase Enzymatic Cascade Pathways in Pickering Emulsion. <i>ChemCatChem</i> , 2019 , 11, 1791-1791	5.2	
52	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> , 2019 , 547, 330-338	9.3	5
51	Near-infrared upconversion-activated CRISPR-Cas9 system: A remote-controlled gene editing platform. <i>Science Advances</i> , 2019 , 5, eaav7199	14.3	123
50	Recent advances in nanoparticulate biomimetic catalysts for combating bacteria and biofilms. <i>Nanoscale</i> , 2019 , 11, 22206-22215	7.7	29
49	Assembling Two-Phase Enzymatic Cascade Pathways in Pickering Emulsion. <i>ChemCatChem</i> , 2019 , 11, 1878-1883	5.2	2
48	Supramolecular gels and mesoscopic structure. <i>International Journal of Modern Physics B</i> , 2018 , 32, 1840015	0.15	1
47	Facile On-Site Detection Based on Reactional Wettability Variation. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701326	4.6	7
46	Nanoparticle Probes for Super-Resolution Fluorescence Microscopy. <i>ChemNanoMat</i> , 2018 , 4, 253-264	3.5	15
45	The protein corona on nanoparticles as viewed from a nanoparticle-sizing perspective. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018 , 10, e1500	9.2	27
44	Remote activation of nanoparticulate biomimetic activity by light triggered pH-jump. <i>Chemical Communications</i> , 2018 , 54, 8641-8644	5.8	8
43	Flower-like polyaniline/graphene hybrids for high-performance supercapacitor. <i>Composites Science and Technology</i> , 2017 , 142, 286-293	8.6	47
42	Fabrication of Crack-Free Photonic Crystal Films on Superhydrophobic Nanopin Surface. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22037-22041	9.5	21
41	A NIR-controlled cage mimicking system for hydrophobic drug mediated cancer therapy. <i>Biomaterials</i> , 2017 , 139, 151-162	15.6	72

40	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 & Interfaces</i> , 2017 , 9, 684-692	9.5	54
39	Using Inorganic Nanomaterials to Endow Biocatalytic Systems with Unique Features. <i>Trends in Biotechnology</i> , 2016 , 34, 303-315	15.1	15
38	Rheological properties and formation mechanism of DC electric fields induced konjac glucomannan-tungsten gels. <i>Carbohydrate Polymers</i> , 2016 , 142, 293-9	10.3	27
37	Self-Assembly and Compartmentalization of Nanozymes in Mesoporous Silica-Based Nanoreactors. <i>Chemistry - A European Journal</i> , 2016 , 22, 5705-11	4.8	20
36	Mechanical Properties: Programing Performance of Silk Fibroin Materials by Controlled Nucleation (Adv. Funct. Mater. 48/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 9084-9084	15.6	0
35	Enzymatic manipulation of a DNA-mediated ensemble for sensitive fluorescence detection of glucose. <i>RSC Advances</i> , 2016 , 6, 33132-33137	3.7	2
34	Programing Performance of Silk Fibroin Materials by Controlled Nucleation. <i>Advanced Functional Materials</i> , 2016 , 26, 8978-8990	15.6	46
33	Electrochromic performance of WO ₃ films: optimization by crystal network topology modification. <i>CrystEngComm</i> , 2015 , 17, 6583-6590	3.3	8
32	Enzyme-regulated the changes of pH values for assembling a colorimetric and multistage interconnection logic network with multiple readouts. <i>Analytica Chimica Acta</i> , 2015 , 870, 92-8	6.6	18
31	Positional assembly of hemin and gold nanoparticles in graphene-mesoporous silica nanohybrids for tandem catalysis. <i>Chemical Science</i> , 2015 , 6, 1272-1276	9.4	63
30	Self-assembly of an organic-inorganic hybrid nanoflower as an efficient biomimetic catalyst for self-activated tandem reactions. <i>Chemical Communications</i> , 2015 , 51, 4386-9	5.8	117
29	Nano-gold as artificial enzymes: hidden talents. <i>Advanced Materials</i> , 2014 , 26, 4200-17	24	290
28	Catalytically active nanomaterials: a promising candidate for artificial enzymes. <i>Accounts of Chemical Research</i> , 2014 , 47, 1097-105	24.3	846
27	A semipermeable enzymatic nanoreactor as an efficient modulator for reversible pH regulation. <i>Nanoscale</i> , 2014 , 6, 11328-35	7.7	12
26	Incorporating ATP into biomimetic catalysts for realizing exceptional enzymatic performance over a broad temperature range. <i>NPG Asia Materials</i> , 2014 , 6, e114-e114	10.3	31
25	Coupling exonuclease III with DNA metallization for amplified detection of biothiols at picomolar concentration. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 214-8	11.8	10
24	Self-assembled, functionalized graphene and DNA as a universal platform for colorimetric assays. <i>Biomaterials</i> , 2013 , 34, 4810-7	15.6	99
23	A dual fluorometric and colorimetric sensor for dopamine based on BSA-stabilized Au nanoclusters. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 41-6	11.8	218

22	A thermo-driven DNA zipper. <i>Chemical Communications</i> , 2013 , 49, 11281-3	5.8	3
21	Biomaterialization inspired surface engineering of nanocarriers for pH-responsive, targeted drug delivery. <i>Biomaterials</i> , 2013 , 34, 1364-71	15.6	104
20	Bioresponsive hyaluronic acid-capped mesoporous silica nanoparticles for targeted drug delivery. <i>Chemistry - A European Journal</i> , 2013 , 19, 1778-83	4.8	132
19	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> , 2013 , 135, 4207-10	16.4	93
18	Nanoceria-triggered synergetic drug release based on CeO(2) -capped mesoporous silica host-guest interactions and switchable enzymatic activity and cellular effects of CeO(2). <i>Advanced Healthcare Materials</i> , 2013 , 2, 1591-9	10.1	145
17	Mesoporous silica-encapsulated gold nanoparticles as artificial enzymes for self-activated cascade catalysis. <i>Biomaterials</i> , 2013 , 34, 2600-10	15.6	177
16	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> , 2013 , 25, 2510-2510	24	7
15	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> , 2013 , 25, 2594-9	24	372
14	Exonuclease-aided amplification for label-free and fluorescence turn-on DNA detection based on aggregation-induced quenching. <i>Chemical Communications</i> , 2012 , 48, 11662-4	5.8	50
13	Using Thermally Regenerable Cerium Oxide Nanoparticles in Biocomputing to Perform Label-free, Resettable, and Colorimetric Logic Operations. <i>Angewandte Chemie</i> , 2012 , 124, 12747-12751	3.6	11
12	Using thermally regenerable cerium oxide nanoparticles in biocomputing to perform label-free, resettable, and colorimetric logic operations. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12579-83	16.4	77
11	Silver metallization engineered conformational switch of G-quadruplex for fluorescence turn-on detection of biothiols. <i>Chemical Communications</i> , 2012 , 48, 11428-30	5.8	34
10	Carbon nanodots as fluorescence probes for rapid, sensitive, and label-free detection of Hg ²⁺ and biothiols in complex matrices. <i>Chemical Communications</i> , 2012 , 48, 1147-9	5.8	623
9	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> , 2012 , 137, 2588-92	5	74
8	Poly(acrylic acid)-templated silver nanoclusters as a platform for dual fluorometric turn-on and colorimetric detection of mercury (II) ions. <i>Talanta</i> , 2012 , 88, 290-4	6.2	53
7	Silver nanoprobe for sensitive and selective colorimetric detection of dopamine via robust Ag-catechol interaction. <i>Chemical Communications</i> , 2011 , 47, 1181-3	5.8	184
6	Highly sensitive and selective detection of thiol-containing biomolecules using DNA-templated silver deposition. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 339-43	11.8	26
5	DNA-templated silver nanoparticles as a platform for highly sensitive and selective fluorescence turn-on detection of dopamine. <i>Small</i> , 2011 , 7, 1557-61	11	62

4	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> , 2011 , 21, 4565-4572	15.6	123
3	Molecular-glue-triggered DNA assembly to form a robust and photoresponsive nano-network. <i>Chemistry - A European Journal</i> , 2011 , 17, 8189-94	4.8	7
2	Modulating DNA-templated silver nanoclusters for fluorescence turn-on detection of thiol compounds. <i>Chemical Communications</i> , 2011 , 47, 3487-9	5.8	185
1	Artificial DNA nano-spring powered by protons. <i>Advanced Materials</i> , 2010 , 22, 2792-8	24	70