Yi Lu

List of Publications by Year in descending order

506 papers	45,459 citations	1612 108 h-index	3417 189 g-index
530 all docs	530 docs citations	530 times ranked	34933 citing authors

#	Article	IF	Citations
1	The long-circulating effect of pegylated nanoparticles revisited via simultaneous monitoring of both the drug payloads and nanocarriers. Acta Pharmaceutica Sinica B, 2022, 12, 2479-2493.	5.7	26
2	Green and controllable fabrication of nanocrystals from ionic liquids. Chinese Chemical Letters, 2022, 33, 4079-4083.	4.8	15
3	Polarization Modulation at Last Quantum Barrier for High Efficiency AlGaN-Based UV LED. IEEE Photonics Journal, 2022, 14, 1-8.	1.0	8
4	Label-Free Digital Detection of Intact Virions by Enhanced Scattering Microscopy. Journal of the American Chemical Society, 2022, 144, 1498-1502.	6.6	26
5	Noninvasive and Spatiotemporal Control of DNAzyme-Based Imaging of Metal Ions In Vivo Using High-Intensity Focused Ultrasound. Journal of the American Chemical Society, 2022, 144, 5812-5819.	6.6	46
6	Kinetic Reconstruction of DNA-Programed Plasmonic Metal Nanostructures with Predictable Shapes and Optical Properties. Journal of the American Chemical Society, 2022, 144, 4410-4421.	6.6	10
7	Quasi-Epitaxial Growth of Î²-Ga₂O₃-Coated Wide Band Gap Semiconductor Tape for Flexible UV Photodetectors. ACS Applied Materials & Interfaces, 2022, 14, 1304-1314.	4.0	29
8	Ionic co-aggregates (ICAs) based oral drug delivery: Solubilization and permeability improvement. Acta Pharmaceutica Sinica B, 2022, 12, 3972-3985.	5.7	11
9	Raman Mapping-Based Reverse Engineering Facilitates Development of Sustained-Release Nifedipine Tablet. Pharmaceutics, 2022, 14, 1052.	2.0	1
10	Novel Pharmaceutical Strategies for Enhancing Skin Penetration of Biomacromolecules. Pharmaceuticals, 2022, 15, 877.	1.7	10
11	Efficient delivery of a DNA aptamer-based biosensor into plant cells for glucose sensing through thiol-mediated uptake. Science Advances, 2022, 8, .	4.7	22
12	InÂvivo dissolution of poorly water-soluble drugs: Proof of concept based on fluorescence bioimaging. Acta Pharmaceutica Sinica B, 2021, 11, 1056-1068.	5.7	21
13	FunktionelleÂ NukleinsÃureâ€Nanomaterialien: Entwicklung, Eigenschaften und Anwendungen. Angewandte Chemie, 2021, 133, 6966-6995.	1.6	4
14	Functional Nucleic Acid Nanomaterials: Development, Properties, and Applications. Angewandte Chemie - International Edition, 2021, 60, 6890-6918.	7.2	122
15	Biosensing with DNAzymes. Chemical Society Reviews, 2021, 50, 8954-8994.	18.7	193
16	Stepwise nitrosylation of the nonheme iron site in an engineered azurin and a molecular basis for nitric oxide signaling mediated by nonheme iron proteins. Chemical Science, 2021, 12, 6569-6579.	3.7	2
17	An Engineered Glutamate in Biosynthetic Models of Heme-Copper Oxidases Drives Complete Product Selectivity by Tuning the Hydrogen-Bonding Network. Biochemistry, 2021, 60, 346-355.	1.2	6
18	Dipolar coupling-based electron paramagnetic resonance method for protease enzymatic characterization and inhibitor screening. Chemical Communications, 2021, 57, 9602-9605.	2.2	2

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19	A highly sensitive and selective fluoride sensor based on a riboswitch-regulated transcription coupled with CRISPR-Cas13a tandem reaction. Chemical Science, 2021, 12, 11740-11747.	3.7	20
20	DNAzyme Amplified Aptasensing Platform for Ochratoxin A Detection Using a Personal Glucose Meter. ACS Applied Materials & Interfaces, 2021, 13, 9472-9481.	4.0	39
21	Simulation of the In Vivo Fate of Polymeric Nanoparticles Traced by Environment-Responsive Near-Infrared Dye: A Physiologically Based Pharmacokinetic Modelling Approach. Molecules, 2021, 26, 1271.	1.7	23
22	BAlN for III-nitride UV light-emitting diodes: undoped electron blocking layer. Journal Physics D: Applied Physics, 2021, 54, 175104.	1.3	9
23	Peroral targeting of drug micro or nanocarriers to sites beyond the gastrointestinal tract. Medicinal Research Reviews, 2021, 41, 2590-2598.	5.0	12
24	Detection and Quantification of Tightly Bound Zn²⁺ in Blood Serum Using a Photocaged Chelator and a DNAzyme Fluorescent Sensor. Analytical Chemistry, 2021, 93, 5856-5861.	3.2	19
25	Cell Surface Engineering Using DNAzymes: Metal Ion Mediated Control of Cellâ€“Cell Interactions. Journal of the American Chemical Society, 2021, 143, 5737-5744.	6.6	68
26	Transverse Electric Lasing at a Record Short Wavelength 244.63 nm from GaN Quantum Wells with Weak Exciton Localization. ACS Photonics, 2021, 8, 1264-1270.	3.2	3
27	Gastrointestinal lipolysis and trans-epithelial transport of SMEDDS via oral route. Acta Pharmaceutica Sinica B, 2021, 11, 1010-1020.	5.7	22
28	Design and Evaluation of Dissolving Microneedles for Enhanced Dermal Delivery of Propranolol Hydrochloride. Pharmaceutics, 2021, 13, 579.	2.0	27
29	Recent progress in developing fluorescent probes for imaging cell metabolites. Biomedical Materials (Bristol), 2021, 16, 044108.	1.7	21
30	Targeting strategies of oral nano-delivery systems for treating inflammatory bowel disease. International Journal of Pharmaceutics, 2021, 600, 120461.	2.6	19
31	PNA-Assisted DNAzymes to Cleave Double-Stranded DNA for Genetic Engineering with High Sequence Fidelity. Journal of the American Chemical Society, 2021, 143, 9724-9728.	6.6	27
32	DNAzyme Sensor Uses Chemiluminescence Resonance Energy Transfer for Rapid, Portable, and Ratiometric Detection of Metal Ions. Analytical Chemistry, 2021, 93, 10834-10840.	3.2	38
33	Effects on immunization of the physicochemical parameters of particles as vaccine carriers. Drug Discovery Today, 2021, 26, 1712-1720.	3.2	6
34	Oral delivery of proteins and peptides: Challenges, status quo and future perspectives. Acta Pharmaceutica Sinica B, 2021, 11, 2416-2448.	5.7	121
35	An update on oral drug delivery via intestinal lymphatic transport. Acta Pharmaceutica Sinica B, 2021, 11, 2449-2468.	5.7	78
36	UV Light-Emitting Diode With Buried Polarization- Induced n-AlGaN/InGaN/p-AlGaN Tunneling Junction. IEEE Photonics Technology Letters, 2021, 33, 808-811.	1.3	7

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37	InÂvitro and inÂvivo correlation for lipid-based formulations: Current status and future perspectives. Acta Pharmaceutica Sinica B, 2021, 11, 2469-2487.	5.7	36
38	Low Resistance Asymmetric III-Nitride Tunnel Junctions Designed by Machine Learning. Nanomaterials, 2021, 11, 2466.	1.9	4
39	Direct detection of human adenovirus or SARS-CoV-2 with ability to inform infectivity using DNA aptamer-nanopore sensors. Science Advances, 2021, 7, eabh2848.	4.7	87
40	Molecular understanding of heteronuclear active sites in hemeâ€“copper oxidases, nitric oxide reductases, and sulfite reductases through biomimetic modelling. Chemical Society Reviews, 2021, 50, 2486-2539.	18.7	30
41	DNAzyme-Based Lithium-Selective Imaging Reveals Higher Lithium Accumulation in Bipolar Disorder Patient-Derived Neurons. ACS Central Science, 2021, 7, 1809-1820.	5.3	29
42	Enhanced hole concentration in strain-compensated BAlN/AlGaN superlattice for deep ultraviolet light-emitting diodes. Superlattices and Microstructures, 2021, , 107128.	1.4	2
43	Self-Protected DNAzyme Walker with a Circular Bulging DNA Shield for Amplified Imaging of miRNAs in Living Cells and Mice. ACS Nano, 2021, 15, 19211-19224.	7.3	84
44	Ionic liquids: green and tailor-made solvents in drug delivery. Drug Discovery Today, 2020, 25, 901-908.	3.2	87
45	Discriminating against injectable fat emulsions with similar formulation based on water quenching fluorescent probe. Chinese Chemical Letters, 2020, 31, 875-879.	4.8	12
46	A photo-regulated aptamer sensor for spatiotemporally controlled monitoring of ATP in the mitochondria of living cells. Chemical Science, 2020, 11, 713-720.	3.7	65
47	Precision-Guided Missile-Like DNA Nanostructure Containing Warhead and Guidance Control for Aptamer-Based Targeted Drug Delivery into Cancer Cells in Vitro and in Vivo. Journal of the American Chemical Society, 2020, 142, 1265-1277.	6.6	131
48	Translating inÂvitro diagnostics from centralized laboratories to point-of-care locations using commercially-available handheld meters. TrAC - Trends in Analytical Chemistry, 2020, 124, 115782.	5.8	52
49	DNAzymeâ€Mediated Genetically Encoded Sensors for Ratiometric Imaging of Metal Ions in Living Cells. Angewandte Chemie, 2020, 132, 1907-1912.	1.6	11
50	DNAzymeâ€Mediated Genetically Encoded Sensors for Ratiometric Imaging of Metal Ions in Living Cells. Angewandte Chemie - International Edition, 2020, 59, 1891-1896.	7.2	59
51	Independent control over size, valence, and elemental composition in the synthesis of DNAâ€“nanoparticle conjugates. Chemical Science, 2020, 11, 1564-1572.	3.7	7
52	Functional DNA Regulated CRISPR-Cas12a Sensors for Point-of-Care Diagnostics of Non-Nucleic-Acid Targets. Journal of the American Chemical Society, 2020, 142, 207-213.	6.6	430
53	Utility of Pickering emulsions in improved oral drug delivery. Drug Discovery Today, 2020, 25, 2038-2045.	3.2	48
54	Ionic liquids containing ketoconazole improving topical treatment of T. Interdigitale infection by synergistic action. International Journal of Pharmaceutics, 2020, 589, 119842.	2.6	16

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55	A Binuclear Cu_A Center Designed in an All Î±-Helical Protein Scaffold. Journal of the American Chemical Society, 2020, 142, 13779-13794.	6.6	7
56	Quantitative Analysis of DNA-Mediated Formation of Metal Nanocrystals. Journal of the American Chemical Society, 2020, 142, 20368-20379.	6.6	22
57	Enhanced transdermal delivery of curcumin nanosuspensions: A mechanistic study based on co-localization of particle and drug signals. International Journal of Pharmaceutics, 2020, 588, 119737.	2.6	34
58	Structural Basis for a Quadratic Relationship between Electronic Absorption and Electronic Paramagnetic Resonance Parameters of Type 1 Copper Proteins. Inorganic Chemistry, 2020, 59, 10620-10627.	1.9	0
59	Insight into the in vivo translocation of oral liposomes by fluorescence resonance energy transfer effect. International Journal of Pharmaceutics, 2020, 587, 119682.	2.6	7
60	Establishing empirical design rules of nucleic acid templates for the synthesis of silver nanoclusters with tunable photoluminescence and functionalities towards targeted bioimaging applications. Nanoscale Advances, 2020, 2, 3921-3932.	2.2	18
61	The biological fate of orally administered mPEG-PDLLA polymeric micelles. Journal of Controlled Release, 2020, 327, 725-736.	4.8	39
62	Subquantum-Well Influence on Carrier Dynamics in High Efficiency DUV Dislocation-Free AlGaN/AlGaN-Based Multiple Quantum Wells. ACS Photonics, 2020, 7, 1667-1675.	3.2	7
63	Effect of particle size on the pharmacokinetics and biodistribution of parenteral nanoemulsions. International Journal of Pharmaceutics, 2020, 586, 119551.	2.6	23
64	Response of neuroglia to hypoxia-induced oxidative stress using enzymatically crosslinked hydrogels. MRS Communications, 2020, 10, 83-90.	0.8	16
65	Periodically Ordered, Nucleaseâ€Resistant DNA Nanowires Decorated with Cellâ€Specific Aptamers as Selective Theranostic Agents. Angewandte Chemie, 2020, 132, 17693-17700.	1.6	10
66	Periodically Ordered, Nucleaseâ€Resistant DNA Nanowires Decorated with Cellâ€Specific Aptamers as Selective Theranostic Agents. Angewandte Chemie - International Edition, 2020, 59, 17540-17547.	7.2	60
67	Photocaged functional nucleic acids for spatiotemporal imaging in biology. Current Opinion in Chemical Biology, 2020, 57, 95-104.	2.8	27
68	Improving dermal delivery of hyaluronic acid by ionic liquids for attenuating skin dehydration. International Journal of Biological Macromolecules, 2020, 150, 528-535.	3.6	39
69	What is the future for nanocrystal-based drug-delivery systems?. Therapeutic Delivery, 2020, 11, 225-229.	1.2	24
70	Long-acting microneedles: a progress report of the state-of-the-art techniques. Drug Discovery Today, 2020, 25, 1462-1468.	3.2	33
71	BAlN alloy for enhanced two-dimensional electron gas characteristics of GaN/AlGaN heterostructures. Journal Physics D: Applied Physics, 2020, 53, 48LT01.	1.3	6
72	Development of carrier-free nanocrystals of poorly water-soluble drugs by exploring metastable zone of nucleation. Acta Pharmaceutica Sinica B, 2019, 9, 118-127.	5.7	42

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73	Slowing down lipolysis significantly enhances the oral absorption of intact solid lipid nanoparticles. Biomaterials Science, 2019, 7, 4273-4282.	2.6	19
74	Bioapplications of DNA nanotechnology at the solidâ€“liquid interface. Chemical Society Reviews, 2019, 48, 4892-4920.	18.7	68
75	Functional DNA Molecules Enable Selective and Stimuli-Responsive Nanoparticles for Biomedical Applications. Accounts of Chemical Research, 2019, 52, 2415-2426.	7.6	143
76	Improving the hypoglycemic effect of insulin via the nasal administration of deep eutectic solvents. International Journal of Pharmaceutics, 2019, 569, 118584.	2.6	25
77	Metal-Dependent DNAzymes for the Quantitative Detection of Metal Ions in Living Cells: Recent Progress, Current Challenges, and Latest Results on FRET Ratiometric Sensors. Inorganic Chemistry, 2019, 58, 13696-13708.	1.9	62
78	Enzymeâ€Mediated Endogenous and Bioorthogonal Control of a DNAzyme Fluorescent Sensor for Imaging Metal Ions in Living Cells. Angewandte Chemie, 2019, 131, 17217-17223.	1.6	12
79	The Periodic Tableâ€™s Impact on Bioinorganic Chemistry and Biologyâ€™s Selective Use of Metal Ions. Structure and Bonding, 2019, , 153-173.	1.0	5
80	Effect of Surface Charges on Oral Absorption of Intact Solid Lipid Nanoparticles. Molecular Pharmaceutics, 2019, 16, 5013-5024.	2.3	23
81	DNAzymes as Activity-Based Sensors for Metal Ions: Recent Applications, Demonstrated Advantages, Current Challenges, and Future Directions. Accounts of Chemical Research, 2019, 52, 3275-3286.	7.6	185
82	Sâ€Click Reaction for Isotropic Orientation of Oxidases on Electrodes to Promote Electron Transfer at Low Potentials. Angewandte Chemie - International Edition, 2019, 58, 16480-16484.	7.2	8
83	Enzymeâ€Mediated Endogenous and Bioorthogonal Control of a DNAzyme Fluorescent Sensor for Imaging Metal Ions in Living Cells. Angewandte Chemie - International Edition, 2019, 58, 17061-17067.	7.2	78
84	Digital-resolution detection of microRNA with single-base selectivity by photonic resonator absorption microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19362-19367.	3.3	48
85	Improving dermal delivery of hydrophilic macromolecules by biocompatible ionic liquid based on choline and malic acid. International Journal of Pharmaceutics, 2019, 558, 380-387.	2.6	59
86	Hybrid drug nanocrystals. Advanced Drug Delivery Reviews, 2019, 143, 115-133.	6.6	79
87	Towards more accurate bioimaging of drug nanocarriers: turning aggregation-caused quenching into a useful tool. Advanced Drug Delivery Reviews, 2019, 143, 206-225.	6.6	178
88	Cupredoxin engineered upconversion nanoparticles for ratiometric luminescence sensing of Cu²⁺. Nanoscale Advances, 2019, 1, 2580-2585.	2.2	17
89	Discovery of and Insights into DNA â€œCodesâ€•for Tunable Morphologies of Metal Nanoparticles. Small, 2019, 15, 1900975.	5.2	37
90	Point-of-care monitoring of intracellular glutathione and serum triglyceride levels using a versatile personal glucose meter. Analytical Methods, 2019, 11, 1849-1856.	1.3	3

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91	III-Nitride Deep UV LED Without Electron Blocking Layer. IEEE Photonics Journal, 2019, 11, 1-11.	1.0	30
92	Understanding and Modulating Metalloenzymes with Unnatural Amino Acids, Non-Native Metal Ions, and Non-Native Metallocofactors. Accounts of Chemical Research, 2019, 52, 935-944.	7.6	103
93	HYSCORE Insights into the Distribution of the Unpaired Spin Density in an Engineered Cu_A Site in Azurin and Its His120Gly Variant. Inorganic Chemistry, 2019, 58, 4437-4445.	1.9	2
94	The Trigeminal Pathway Dominates the Nose-to-Brain Transportation of Intact Polymeric Nanoparticles: Evidence from Aggregation-Caused Quenching Probes. Journal of Biomedical Nanotechnology, 2019, 15, 686-702.	0.5	38
95	A NIR Light Gated DNA Nanodevice for Spatiotemporally Controlled Imaging of MicroRNA in Cells and Animals. Journal of the American Chemical Society, 2019, 141, 7056-7062.	6.6	213
96	Silver-Assisted Synthesis of High-Indexed Palladium Tetrahexahedral Nanoparticles and Their Morphological Variants. Chemistry of Materials, 2019, 31, 2923-2929.	3.2	13
97	Molecular Engineering of Functional Nucleic Acid Nanomaterials toward In Vivo Applications. Advanced Healthcare Materials, 2019, 8, e1801158.	3.9	45
98	Advancing Point-of-Care Diagnostics of Metabolites Through Engineering Semisynthetic Proteins. Clinical Chemistry, 2019, 65, 507-509.	1.5	4
99	Editorial: Persistent endeavors for the enhancement of dissolution and oral bioavailability. Acta Pharmaceutica Sinica B, 2019, 9, 2-3.	5.7	7
100	Sustained and controlled release of herbal medicines: The concept of synchronized release. International Journal of Pharmaceutics, 2019, 560, 116-125.	2.6	11
101	Oat protein-shellac nanoparticles as a delivery vehicle for resveratrol to improve bioavailability in vitro and in vivo. Nanomedicine, 2019, 14, 2853-2871.	1.7	25
102	Y-Shaped Backbone-Rigidified Triangular DNA Scaffold-Directed Stepwise Movement of a DNAzyme Walker for Sensitive MicroRNA Imaging within Living Cells. Analytical Chemistry, 2019, 91, 15678-15685.	3.2	59
103	DNAzyme-based biosensor as a rapid and accurate verification tool to complement simultaneous enzyme-based media forE. colidetection. Environmental Science: Water Research and Technology, 2019, 5, 2260-2268.	1.2	12
104	Adapting liposomes for oral drug delivery. Acta Pharmaceutica Sinica B, 2019, 9, 36-48.	5.7	384
105	Polarization matched c-plane III-nitride quantum well structure. , 2019, , .		5
106	Exploiting or overcoming the dome trap for enhanced oral immunization and drug delivery. Journal of Controlled Release, 2018, 275, 92-106.	4.8	24
107	Translating molecular detections into a simple temperature test using a target-responsive smart thermometer. Chemical Science, 2018, 9, 3906-3910.	3.7	81
108	Reassessment of long circulation via monitoring of integral polymeric nanoparticles justifies a more accurate understanding. Nanoscale Horizons, 2018, 3, 397-407.	4.1	42

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109	Evidence of a General Acidâ€“Base Catalysis Mechanism in the 8â€“17 DNAzyme. Biochemistry, 2018, 57, 1517-1522.	1.2	29
110	Biomimetic thiamine- and niacin-decorated liposomes for enhanced oral delivery of insulin. Acta Pharmaceutica Sinica B, 2018, 8, 97-105.	5.7	48
111	Upconversion Luminescence-Activated DNA Nanodevice for ATP Sensing in Living Cells. Journal of the American Chemical Society, 2018, 140, 578-581.	6.6	283
112	An update on the role of nanovehicles in nose-to-brain drug delivery. Drug Discovery Today, 2018, 23, 1079-1088.	3.2	86
113	DNA-encoded morphological evolution of bimetallic Pd@Au core-shell nanoparticles from a high-indexed core. Nano Research, 2018, 11, 4549-4561.	5.8	20
114	Overcoming or circumventing the stratum corneum barrier for efficient transcutaneous immunization. Drug Discovery Today, 2018, 23, 181-186.	3.2	45
115	Self-discriminating fluorescent hybrid nanocrystals: efficient and accurate tracking of translocationviaoral delivery. Nanoscale, 2018, 10, 436-450.	2.8	52
116	Enhanced transdermal delivery of meloxicam by nanocrystals: Preparation, in vitro and in vivo evaluation. Asian Journal of Pharmaceutical Sciences, 2018, 13, 518-526.	4.3	36
117	Epithelia transmembrane transport of orally administered ultrafine drug particles evidenced by environment sensitive fluorophores in cellular and animal studies. Journal of Controlled Release, 2018, 270, 65-75.	4.8	59
118	Optical Control of Metal Ion Probes in Cells and Zebrafish Using Highly Selective DNAzymes Conjugated to Upconversion Nanoparticles. Journal of the American Chemical Society, 2018, 140, 17656-17665.	6.6	196
119	Permeation into but not across the cornea: Bioimaging of intact nanoemulsions and nanosuspensions using aggregation-caused quenching probes. Chinese Chemical Letters, 2018, 29, 1834-1838.	4.8	30
120	Nitric Oxide Reductase Activity in Hemeâ€“Nonheme Binuclear Engineered Myoglobins through a One-Electron Reduction Cycle. Journal of the American Chemical Society, 2018, 140, 17389-17393.	6.6	15
121	Sequence-specific control of inorganic nanomaterials morphologies by biomolecules. Current Opinion in Colloid and Interface Science, 2018, 38, 158-169.	3.4	23
122	Bioimaging of Intact Polycaprolactone Nanoparticles Using Aggregationâ€€Caused Quenching Probes: Sizeâ€Ðependent Translocation via Oral Delivery. Advanced Healthcare Materials, 2018, 7, e1800711.	3.9	33
123	The influence of nanoparticle shape on bilateral exocytosis from Caco-2 cells. Chinese Chemical Letters, 2018, 29, 1815-1818.	4.8	27
124	A designed heme-[4Fe-4S] metalloenzyme catalyzes sulfite reduction like the native enzyme. Science, 2018, 361, 1098-1101.	6.0	109
125	Insights into the Competition between K⁺ and Pb²⁺ Binding to a G-Quadruplex and Discovery of a Novel K⁺â€“Pb²⁺â€“Quadruplex Intermediate. Journal of Physical Chemistry B, 2018, 122, 9382-9388.	1.2	13
126	Heme redox potentials hold the key to reactivity differences between nitric oxide reductase and heme-copper oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6195-6200.	3.3	41

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127	Role of poly(ethylene oxide) in copper-containing composite used for intrauterine contraceptive devices. Journal of Materials Science: Materials in Medicine, 2018, 29, 92.	1.7	2
128	Lipid nanoparticles. , 2018, , 749-783.		9
129	A new era for electron bifurcation. Current Opinion in Chemical Biology, 2018, 47, 32-38.	2.8	54
130	Loss of integrity of doxorubicin liposomes during transcellular transportation evidenced by fluorescence resonance energy transfer effect. Colloids and Surfaces B: Biointerfaces, 2018, 171, 224-232.	2.5	14
131	Correction: Reassessment of long circulation via monitoring of integral polymeric nanoparticles justifies a more accurate understanding. Nanoscale Horizons, 2018, 3, 448-448.	4.1	1
132	Tracking translocation of self-discriminating curcumin hybrid nanocrystals following intravenous delivery. International Journal of Pharmaceutics, 2018, 546, 10-19.	2.6	34
133	O₂ Reduction by Biosynthetic Models of Cytochrome c Oxidase: Insights into Role of Proton Transfer Residues from Perturbed Active Sites Models of CcO. ACS Catalysis, 2018, 8, 8915-8924.	5.5	28
134	Biocomputing for Portable, Resettable, and Quantitative Pointâ€ofâ€Care Diagnostics: Making the Glucose Meter a Logicâ€Gate Responsive Device for Measuring Many Clinically Relevant Targets. Angewandte Chemie - International Edition, 2018, 57, 9702-9706.	7.2	70
135	Visual validation of the measurement of entrapment efficiency of drug nanocarriers. International Journal of Pharmaceutics, 2018, 547, 395-403.	2.6	55
136	The in vivo fate of nanocrystals. Drug Discovery Today, 2017, 22, 744-750.	3.2	88
137	Bottom-Up Strategy To Prepare Nanoparticles with a Single DNA Strand. Journal of the American Chemical Society, 2017, 139, 3623-3626.	6.6	30
138	Biosynthetic approach to modeling and understanding metalloproteins using unnatural amino acids. Science China Chemistry, 2017, 60, 188-200.	4.2	16
139	Nearâ€Infrared Photothermally Activated DNAzymeâ€“Gold Nanoshells for Imaging Metal Ions in Living Cells. Angewandte Chemie, 2017, 129, 6902-6906.	1.6	33
140	Thiolate Spin Population of Type I Copper in Azurin Derived from ³³S Hyperfine Coupling. Inorganic Chemistry, 2017, 56, 6163-6174.	1.9	11
141	DNAzyme sensors for detection of metal ions in the environment and imaging them in living cells. Current Opinion in Biotechnology, 2017, 45, 191-201.	3.3	116
142	Nearâ€Infrared Photothermally Activated DNAzymeâ€“Gold Nanoshells for Imaging Metal Ions in Living Cells. Angewandte Chemie - International Edition, 2017, 56, 6798-6802.	7.2	177
143	Insights Into How Heme Reduction Potentials Modulate Enzymatic Activities of a Myoglobinâ€based Functional Oxidase. Angewandte Chemie - International Edition, 2017, 56, 6622-6626.	7.2	22
144	Size-Dependent Translocation of Nanoemulsions via Oral Delivery. ACS Applied Materials & Interfaces, 2017, 9, 21660-21672.	4.0	82

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145	Imaging Endogenous Metal Ions in Living Cells Using a DNAzymeâ€“Catalytic Hairpin Assembly Probe. Angewandte Chemie - International Edition, 2017, 56, 8721-8725.	7.2	177
146	Imaging Endogenous Metal Ions in Living Cells Using a DNAzymeâ€“Catalytic Hairpin Assembly Probe. Angewandte Chemie, 2017, 129, 8847-8851.	1.6	44
147	Recent advances in DNAzyme-based gene silencing. Science China Chemistry, 2017, 60, 591-601.	4.2	93
148	â€œDipstickâ€•Colorimetric Detection of Metal Ions Based on Immobilization of DNAzyme and Gold Nanoparticles onto a Lateral Flow Device. Methods in Molecular Biology, 2017, 1571, 389-406.	0.4	11
149	The â€œOK, Mollyâ€•Chemistry. Accounts of Chemical Research, 2017, 50, 647-651.	7.6	5
150	Probing the role of the backbone carbonyl interaction with the Cu_A center in azurin by replacing the peptide bond with an ester linkage. Chemical Communications, 2017, 53, 224-227.	2.2	15
151	Evidence of nose-to-brain delivery of nanoemulsions: cargoes but not vehicles. Nanoscale, 2017, 9, 1174-1183.	2.8	140
152	DNA Aptamer-Based Activatable Probes for Photoacoustic Imaging in Living Mice. Journal of the American Chemical Society, 2017, 139, 17225-17228.	6.6	136
153	In Vivo Fate of Biomimetic Mixed Micelles as Nanocarriers for Bioavailability Enhancement of Lipidâ€“Drug Conjugates. ACS Biomaterials Science and Engineering, 2017, 3, 2399-2409.	2.6	24
154	Manganese and Cobalt in the Nonheme-Metal-Binding Site of a Biosynthetic Model of Heme-Copper Oxidase Superfamily Confer Oxidase Activity through Redox-Inactive Mechanism. Journal of the American Chemical Society, 2017, 139, 12209-12218.	6.6	36
155	In vivo fate of lipid-silybin conjugate nanoparticles: Implications on enhanced oral bioavailability. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2643-2654.	1.7	40
156	Influence of Particle Geometry on Gastrointestinal Transit and Absorption following Oral Administration. ACS Applied Materials & Interfaces, 2017, 9, 42492-42502.	4.0	51
157	Bioimaging of nanoparticles: the crucial role of discriminating nanoparticles from free probes. Drug Discovery Today, 2017, 22, 382-387.	3.2	53
158	Effect of circular permutation on the structure and function of type 1 blue copper center in azurin. Protein Science, 2017, 26, 218-226.	3.1	12
159	Why copper is preferred over iron for oxygen activation and reduction in haem-copper oxidases. Nature Chemistry, 2017, 9, 257-263.	6.6	126
160	In vivo fate of lipid-based nanoparticles. Drug Discovery Today, 2017, 22, 166-172.	3.2	60
161	Preparation and Optimization of Amorphous Ursodeoxycholic Acid Nano-suspensions by Nanoprecipitation based on Acid-base Neutralization for Enhanced Dissolution. Current Drug Delivery, 2017, 14, 483-491.	0.8	12
162	Size-dependent penetration of nanoemulsions into epidermis and hair follicles: implications for transdermal delivery and immunization. Oncotarget, 2017, 8, 38214-38226.	0.8	94

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163	Intraocular Fate of Polycaprolactone Nanoparticles Administered via Intravitreal and Various Periocular Routes: Bioimaging of Integral Nanoparticles Using Environment-Sensitive Fluorophores. Journal of Biomedical Nanotechnology, 2017, 13, 960-972.	0.5	10
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