

# Bengang Xing

## 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.

132 papers	8,112 citations	50 h-index	88 g-index
149 ext. papers	9,298 ext. citations	8.9 avg, IF	6.28 L-index

#	Paper	IF	Citations
132	Real-time monitoring of cell apoptosis and drug screening using fluorescent light-up probe with aggregation-induced emission characteristics. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 17972-81	16.4	481
131	In vitro and in vivo uncaging and bioluminescence imaging by using photocaged upconversion nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3125-9	16.4	398
130	Hydrophobic interaction and hydrogen bonding cooperatively confer a vancomycin hydrogel: a potential candidate for biomaterials. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 14846-7	16.4	353
129	Recent advances in functional nanomaterials for light-triggered cancer therapy. <i>Nano Today</i> , <b>2018</b> , 19, 146-187	17.9	325
128	In vivo covalent cross-linking of photon-converted rare-earth nanostructures for tumour localization and theranostics. <i>Nature Communications</i> , <b>2016</b> , 7, 10432	17.4	314
127	Multifunctional Mesoporous Silica Nanoparticles for Cancer-Targeted and Controlled Drug Delivery. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 5144-5156	15.6	257
126	Near-infrared light-mediated photoactivation of a platinum antitumor prodrug and simultaneous cellular apoptosis imaging by upconversion-luminescent nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1012-6	16.4	248
125	Simple and rapid synthesis of ultrathin gold nanowires, their self-assembly and application in surface-enhanced Raman scattering. <i>Chemical Communications</i> , <b>2009</b> , 1984-6	5.8	226
124	Design of coordination polymer as stable catalytic systems. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 5028-32	4.32	199
123	NIR light controlled photorelease of siRNA and its targeted intracellular delivery based on upconversion nanoparticles. <i>Nanoscale</i> , <b>2013</b> , 5, 231-8	7.7	187
122	Recent Progress in Near Infrared Light Triggered Photodynamic Therapy. <i>Small</i> , <b>2017</b> , 13, 1702299	11	171
121	Novel fluorogenic substrates for imaging beta-lactamase gene expression. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 11146-7	16.4	170
120	Recent advances in near-infrared emitting lanthanide-doped nanoconstructs: Mechanism, design and application for bioimaging. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 381, 104-134	23.2	165
119	Gold and Hairpin DNA Functionalization of Upconversion Nanocrystals for Imaging and In Vivo Drug Delivery. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700244	24	159
118	NIR photoresponsive crosslinked upconverting nanocarriers toward selective intracellular drug release. <i>Small</i> , <b>2013</b> , 9, 2937-44	11	154
117	A light-up probe with aggregation-induced emission characteristics (AIE) for selective imaging, naked-eye detection and photodynamic killing of Gram-positive bacteria. <i>Chemical Communications</i> , <b>2015</b> , 51, 12490-3	5.8	148
116	Semiconducting Photothermal Nanoagonist for Remote-Controlled Specific Cancer Therapy. <i>Nano Letters</i> , <b>2018</b> , 18, 1498-1505	11.5	138

115	Recent Advances of Light-Mediated Theranostics. <i>Theranostics</i> , <b>2016</b> , 6, 2439-2457	12.1	130
114	Cell-permeable near-infrared fluorogenic substrates for imaging beta-lactamase activity. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 4158-9	16.4	122
113	Photoactive molecules for applications in molecular imaging and cell biology. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 2835-46	58.5	117
112	Redox-Activatable and Acid-Enhanced Nanotheranostics for Second Near-Infrared Photoacoustic Tomography and Combined Photothermal Tumor Therapy. <i>ACS Nano</i> , <b>2019</b> , 13, 5816-5825	16.7	108
111	A stable metal coordination polymer gel based on a calix[4]arene and its uptake of non-ionic organic molecules from the aqueous phase. <i>Chemical Communications</i> , <b>2002</b> , 362-3	5.8	107
110	AuPt-PEG-Ce6 nanoformulation with dual nanozyme activities for synergistic chemodynamic therapy / phototherapy. <i>Biomaterials</i> , <b>2020</b> , 252, 120093	15.6	104
109	Enzyme-responsive cell-penetrating peptide conjugated mesoporous silica quantum dot nanocarriers for controlled release of nucleus-targeted drug molecules and real-time intracellular fluorescence imaging of tumor cells. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1230-9	10.1	103
108	Remote Regulation of Membrane Channel Activity by Site-Specific Localization of Lanthanide-Doped Upconversion Nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3031-3035	16.4	97
107	Radiation-luminescence-excited quantum dots for in vivo multiplexed optical imaging. <i>Small</i> , <b>2010</b> , 6, 1087-91	11	94
106	A simple and specific assay for real-time colorimetric visualization of beta-lactamase activity by using gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8799-803	16.4	91
105	Multispectral optoacoustic imaging of dynamic redox correlation and pathophysiological progression utilizing upconversion nanoprobe. <i>Nature Communications</i> , <b>2019</b> , 10, 1087	17.4	89
104	Recent Advance of Biological Molecular Imaging Based on Lanthanide-Doped Upconversion-Luminescent Nanomaterials. <i>Nanomaterials</i> , <b>2014</b> , 4, 129-154	5.4	88
103	NIR photoregulated chemo- and photodynamic cancer therapy based on conjugated polyelectrolyte-drug conjugate encapsulated upconversion nanoparticles. <i>Nanoscale</i> , <b>2014</b> , 6, 11259-72	7.7	81
102	Rational Design of Multifunctional Fe@Fe <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> Nanocomposites with Enhanced Magnetic and Photoconversion Effects for Wide Applications: From Photocatalysis to Imaging-Guided Photothermal Cancer Therapy. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706747	24	79
101	Lipopolysaccharide neutralizing peptide-porphyrin conjugates for effective photoinactivation and intracellular imaging of gram-negative bacteria strains. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 1639-47	6.3	78
100	A multifunctional probe with aggregation-induced emission characteristics for selective fluorescence imaging and photodynamic killing of bacteria over mammalian cells. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 659-63	10.1	76
99	Multifunctional UCNPs@PDA-ICG nanocomposites for upconversion imaging and combined photothermal/photodynamic therapy with enhanced antitumor efficacy. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 4884-4894	7.3	74
98	Allenamides as orthogonal handles for selective modification of cysteine in peptides and proteins. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7491-4	16.4	73

97	Nanostructures for NIR light-controlled therapies. <i>Nanoscale</i> , <b>2017</b> , 9, 3698-3718	7.7	72
96	In Vitro and In Vivo Uncaging and Bioluminescence Imaging by Using Photocaged Upconversion Nanoparticles. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3179-3183	3.6	70
95	Multifunctional divalent vancomycin: the fluorescent imaging and photodynamic antimicrobial properties for drug resistant bacteria. <i>Chemical Communications</i> , <b>2011</b> , 47, 1601-3	5.8	69
94	Recent developments of biological reporter technology for detecting gene expression. <i>Biotechnology and Genetic Engineering Reviews</i> , <b>2008</b> , 25, 41-75	4.1	69
93	O <sub>2</sub> -Loaded pH-Responsive Multifunctional Nanodrug Carrier for Overcoming Hypoxia and Highly Efficient Chemo-Photodynamic Cancer Therapy. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 483-490	9.6	69
92	New advances on the marrying of UCNPs and photothermal agents for imaging-guided diagnosis and the therapy of tumors. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 2209-2230	7.3	68
91	Enzyme-responsive multifunctional magnetic nanoparticles for tumor intracellular drug delivery and imaging. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1381-9	4.5	66
90	Charge convertibility and near infrared photon co-enhanced cisplatin chemotherapy based on upconversion nanoplatform. <i>Biomaterials</i> , <b>2017</b> , 130, 42-55	15.6	65
89	A concise, efficient synthesis of sugar-based benzothiazoles through chemoselective intramolecular CB coupling. <i>Chemical Science</i> , <b>2012</b> , 3, 2388	9.4	63
88	cis-Platinum pro-drug-attached CuFeS nanoplates for in vivo photothermal/photoacoustic imaging and chemotherapy/photothermal therapy of cancer. <i>Nanoscale</i> , <b>2017</b> , 9, 16937-16949	7.7	60
87	Near-Infrared Light-Mediated Photoactivation of a Platinum Antitumor Prodrug and Simultaneous Cellular Apoptosis Imaging by Upconversion-Luminescent Nanoparticles. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1030-1034	3.6	59
86	Enhanced Cellular Ablation by Attenuating Hypoxia Status and Reprogramming Tumor-Associated Macrophages via NIR Light-Responsive Upconversion Nanocrystals. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 928-938	6.3	53
85	Colorimetric screening of bacterial enzyme activity and inhibition based on the aggregation of gold nanoparticles. <i>Chemical Communications</i> , <b>2009</b> , 1972-4	5.8	53
84	pH-sensitive and biodegradable charge-transfer nanocomplex for second near-infrared photoacoustic tumor imaging. <i>Nano Research</i> , <b>2019</b> , 12, 49-55	10	53
83	A small-molecule FRET reporter for the real-time visualization of cell-surface proteolytic enzyme functions. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14357-62	16.4	51
82	Intelligent MoS-CuO heterostructures with multiplexed imaging and remarkably enhanced antitumor efficacy via synergetic photothermal therapy/ chemodynamic therapy/ immunotherapy. <i>Biomaterials</i> , <b>2021</b> , 268, 120545	15.6	48
81	Multifunctional Magnetic Mesoporous Silica Nanoagents for Enzyme-Responsive Drug Delivery and MR Imaging. <i>Nanotheranostics</i> , <b>2018</b> , 2, 233-242	5.6	47
80	Novel beta-lactam antibiotics derivatives: their new applications as gene reporters, antitumor prodrugs and enzyme inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2008</b> , 8, 455-71	3.2	46

79	Spontaneous Enrichment of Organic Molecules from Aqueous and Gas Phases into a Stable Metallogel. <i>Langmuir</i> , <b>2002</b> , 18, 9654-9658	4	46
78	Photoactivated drug delivery and bioimaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2017</b> , 9, e1408	9.2	45
77	Multivalent antibiotics via metal complexes: potent divalent vancomycins against vancomycin-resistant enterococci. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 4904-9	8.3	44
76	Near-infrared light-mediated rare-earth nanocrystals: recent advances in improving photon conversion and alleviating the thermal effect. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 685-702	10.3	43
75	A covalent reporter of $\beta$ -lactamase activity for fluorescent imaging and rapid screening of antibiotic-resistant bacteria. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 10903-10	4.8	43
74	Peptide-peryene diimide functionalized magnetic nano-platforms for fluorescence turn-on detection and clearance of bacterial lipopolysaccharides. <i>Chemical Communications</i> , <b>2014</b> , 50, 6200-3	5.8	41
73	Enzyme responsive luminescent ruthenium(II) cephalosporin probe for intracellular imaging and photoinactivation of antibiotics resistant bacteria. <i>Chemical Communications</i> , <b>2012</b> , 48, 1739-41	5.8	40
72	Human transport protein carrier for controlled photoactivation of antitumor prodrug and real-time intracellular tumor imaging. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 955-61	6.3	38
71	Self-assembled multivalent vancomycin on cell surfaces against vancomycin-resistant enterococci (VRE). <i>Chemical Communications</i> , <b>2003</b> , 2224-5	5.8	37
70	Unique Triphenylphosphonium Derivatives for Enhanced Mitochondrial Uptake and Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 590-599	6.3	36
69	Virus-Like FeO@BiS Nanozymes with Resistance-Free Apoptotic Hyperthermia-Augmented Nanozymic Activity for Enhanced Synergetic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 11320-11328	9.5	35
68	Mini Review of TiO <sub>2</sub> -Based Multifunctional Nanocomposites for Near-Infrared Light-Responsive Phototherapy. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800351	10.1	35
67	Photoactivable bioluminescent probes for imaging luciferase activity. <i>Chemical Communications</i> , <b>2009</b> , 4028-30	5.8	32
66	Recent Advances of Membrane-Cloaked Nanoplatfoms for Biomedical Applications. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 838-851	6.3	31
65	Surface-enhanced Raman scattering (SERS) of nitrothiophenol isomers chemisorbed on TiO <sub>2</sub> . <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 975-81	4.5	31
64	808 nm light responsive nanotheranostic agents based on near-infrared dye functionalized manganese ferrite for magnetic-targeted and imaging-guided photodynamic/photothermal therapy. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 1803-1814	7.3	26
63	Investigation of Thermally Induced Cellular Ablation and Heat Response Triggered by Planar MoS <sub>2</sub> -Based Nanocomposite. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 1059-1067	6.3	25
62	Enzyme-responsive reporter molecules for selective localization and fluorescence imaging of pathogenic biofilms. <i>Chemical Communications</i> , <b>2017</b> , 53, 3330-3333	5.8	25

61	Core-shell structured 5-FU@ZIF-90@ZnO as a biodegradable nanoplatform for synergistic cancer therapy. <i>Nanoscale</i> , <b>2020</b> , 12, 3846-3854	7.7	25
60	Near-Infrared Manipulation of Membrane Ion Channels via Upconversion Optogenetics. <i>Advanced Biology</i> , <b>2019</b> , 3, e1800233	3.5	25
59	Linking of Alcohols with Vinyl Azides. <i>Organic Letters</i> , <b>2016</b> , 18, 992-5	6.2	24
58	Allenamides as Orthogonal Handles for Selective Modification of Cysteine in Peptides and Proteins. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7621-7624	3.6	24
57	Lanthanide-Doped Upconversion Nanoparticles Meet the Needs for Cutting-Edge Bioapplications: Recent Progress and Perspectives <b>2020</b> , 2, 1516-1531		24
56	Near infrared light-mediated photoactivation of cytotoxic Re(i) complexes by using lanthanide-doped upconversion nanoparticles. <i>Dalton Transactions</i> , <b>2016</b> , 45, 14101-14108	4.3	24
55	A Simple and Specific Assay for Real-Time Colorimetric Visualization of $\beta$ -Lactamase Activity by Using Gold Nanoparticles. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 8955-8959	3.6	22
54	Site-Specific Dual Functionalization of Cysteine Residue in Peptides and Proteins with 2-Azidoacrylates. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 897-902	6.3	21
53	A Small-Molecule FRET Reporter for the Real-Time Visualization of Cell-Surface Proteolytic Enzyme Functions. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 14585-14590	3.6	21
52	NIR nanoprobe-facilitated cross-referencing manifestation of local disease biology for dynamic therapeutic response assessment. <i>Chemical Science</i> , <b>2019</b> , 11, 803-811	9.4	20
51	Metallic nanoparticles bioassay for <i>Enterobacter cloacae</i> P99 beta-lactamase activity and inhibitor screening. <i>Analyst, The</i> , <b>2010</b> , 135, 1031-6	5	18
50	Near-Infrared Light Brightens Bacterial Disinfection: Recent Progress and Perspectives.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 3937-3961	4.1	18
49	Near-infrared photocontrolled therapeutic release via upconversion nanocomposites. <i>Journal of Controlled Release</i> , <b>2020</b> , 324, 104-123	11.7	16
48	Precise cell behaviors manipulation through light-responsive nano-regulators: recent advance and perspective. <i>Theranostics</i> , <b>2019</b> , 9, 3308-3340	12.1	15
47	Unique Fluorescent Imaging Probe for Bacterial Surface Localization and Resistant Enzyme Imaging. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 1890-1896	4.9	15
46	Loss of collective motion in swarming bacteria undergoing stress. <i>Physical Review Letters</i> , <b>2013</b> , 111, 208101	7.4	15
45	A live bacteria SERS platform for the in situ monitoring of nitric oxide release from a single MRSA. <i>Chemical Communications</i> , <b>2018</b> , 54, 7022-7025	5.8	14
44	Nanoformulation of metal complexes: Intelligent stimuli-responsive platforms for precision therapeutics. <i>Nano Research</i> , <b>2018</b> , 11, 5474-5498	10	13

43	"Guide Star" Assisted Noninvasive Photoacoustic Measurement of Glucose. <i>ACS Sensors</i> , <b>2018</b> , 3, 2550-2557	5.7	13
42	Stimulus-Responsive Short Peptide Nanogels for Controlled Intracellular Drug Release and for Overcoming Tumor Resistance. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 744-752	4.5	12
41	Enabling Mitochondrial Uptake of Lipophilic Dications Using Methylated Triphenylphosphonium Moieties. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 8293-8299	5.1	12
40	Continuous-wave near-infrared stimulated-emission depletion microscopy using downshifting lanthanide nanoparticles. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 975-980	28.7	12
39	Cyanine-Dyad Molecular Probe for the Simultaneous Profiling of the Evolution of Multiple Radical Species During Bacterial Infections. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16900-16905	16.4	12
38	Extraspecific Manifestation of Nanoheater's Position Effect on Distinctive Cellular Photothermal Responses. <i>ACS Nano</i> , <b>2020</b> , 14, 5836-5844	16.7	11
37	Glycopeptide antibiotic analogs for selective inactivation and two-photon imaging of vancomycin-resistant strains. <i>Chemical Communications</i> , <b>2016</b> , 52, 4667-70	5.8	11
36	Molecular interactions between glycopeptide vancomycin and bacterial cell wall peptide analogues. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 14170-7	4.8	11
35	Remote Regulation of Membrane Channel Activity by Site-Specific Localization of Lanthanide-Doped Upconversion Nanocrystals. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3077-3081	3.6	10
34	Lipopolysaccharide-affinity copolymer senses the rapid motility of swarmer bacteria to trigger antimicrobial drug release. <i>Nature Communications</i> , <b>2018</b> , 9, 4277	17.4	10
33	Near-Infrared Multipurpose Lanthanide-Imaging Nanoprobes. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2076-2091	4.5	9
32	Novel trimethyl lock based enzyme switch for the self-assembly and disassembly of gold nanoparticles. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 594	3.6	8
31	Interplay of hole transfer and host-guest interaction in a molecular dyad and triad: ensemble and single-molecule spectroscopy and sensing applications. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 3387-98	4.8	6
30	Synthesis and characterization of 2-(2-Hydroxy-5-chlorophenyl)-6-chloro-4(3H)-quinazolinone-based fluorogenic probes for cellular imaging of monoamine oxidases. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 1317-21	4.5	6
29	Diazapentabenzocorannulenium: A Hydrophilic/Biophilic Cationic Buckybowl. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	6
28	Small-molecule fluorescent probes: big future for specific bacterial labeling and infection detection. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	5
27	Extracellular Vesicle Directed Exogenous Ion Channel Transport for Precise Manipulation of Biological Events. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 2715-2722	6.3	4
26	BMP-2-Loaded HAp:Ln (Ln = Yb, Er, Gd) Nanorods with Dual-Mode Imaging for Efficient MC3t3-E1 Cell Differentiation Regulation. <i>Langmuir</i> , <b>2019</b> , 35, 15287-15294	4	4

25	Tumor microenvironment-responsive MnSiO <sub>3</sub> -Pt@BSA-Ce6 nanoplatform for synergistic catalysis-enhanced sonodynamic and chemodynamic cancer therapy. <i>Chinese Chemical Letters</i> , <b>2022</b>	8.1	4
24	Spatiotemporal-Controlled Reporter for Cell-Surface Proteolytic Enzyme Activity Visualization. <i>ChemBioChem</i> , <b>2019</b> , 20, 561-567	3.8	4
23	Uncovering the Metabolic Origin of Aspartate for Tumor Growth Using an Integrated Molecular Deactivator. <i>Nano Letters</i> , <b>2021</b> , 21, 778-784	11.5	4
22	Scratching the Surface of Unventured Possibilities with In Situ Self-Assembly: Protease-Activated Developments for Imaging and Therapy.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 2192-2216	4.1	4
21	Synthesis of Core-shell Lanthanide-doped Upconversion Nanocrystals for Cellular Applications. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	3
20	Nontoxic colloidal particles impede antibiotic resistance of swarming bacteria by disrupting collective motion and speed. <i>Physical Review E</i> , <b>2015</b> , 92, 062706	2.4	3
19	A Simple and Specific Assay for Real-Time Colorimetric Visualization of $\beta$ -Lactamase Activity by Using Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 3081-3081	16.4	3
18	Nanomechanical Microfluidic Mixing and Rapid Labeling of Silica Nanoparticles using Allenamide-Thiol Covalent Linkage for Bioimaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4867-4875	9.5	3
17	Metallic Nanoparticle-Enabled Sensing of a Drug-of-Abuse: An Attempt at Forensic Application. <i>ChemBioChem</i> , <b>2020</b> , 21, 2512-2517	3.8	3
16	Vancomycin Determination by Disrupting Electron-Transfer in a Fluorescence Turn-On Squaraine-Anthraquinone Triad. <i>ACS Sensors</i> , <b>2018</b> , 3, 1156-1163	9.2	3
15	Luminescent molecules towards precise cellular event regulation. <i>Chemical Communications</i> , <b>2020</b> , 56, 10231-10234	5.8	2
14	Cyanine-Dyad Molecular Probe for the Simultaneous Profiling of the Evolution of Multiple Radical Species During Bacterial Infections. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17037-17042	3.6	2
13	Upconversion Nanoparticles for Bioimaging <b>2016</b> , 363-390		2
12	Alkyl aryl modifications: a comparative study on modular modifications of triphenylphosphonium mitochondrial vectors.. <i>RSC Chemical Biology</i> , <b>2021</b> , 2, 1643-1650	3	2
11	Recomposition and storage of sunlight with intelligent phosphors for enhanced photosynthesis. <i>Dalton Transactions</i> , <b>2021</b> , 50, 11025-11029	4.3	2
10	Rektilbild: Remote Regulation of Membrane Channel Activity by Site-Specific Localization of Lanthanide-Doped Upconversion Nanocrystals (Angew. Chem. 11/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3156-3156	3.6	1
9	Photodynamic Therapy: A Multifunctional Probe with Aggregation-Induced Emission Characteristics for Selective Fluorescence Imaging and Photodynamic Killing of Bacteria Over Mammalian Cells (Adv. Healthcare Mater. 5/2015). <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 636-636	10.1	1
8	A metabolic labeling way to in situ fabricate bacterial FRET Platform for innate immune defence molecule. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 350, 130913	8.5	0

- 7 Increasing antibiotic activity by rapid bioorthogonal conjugation of drug to resistant bacteria using an upconverted light-activated photocatalyst. *Journal of Materials Chemistry B*, **2021**, 9, 3136-3142 7.3 ○
- 6 Screening of multifunctional fruit carbon dots for fluorescent labeling and sensing in living immune cells and zebrafishes.. *Mikrochimica Acta*, **2022**, 189, 223 5.8 ○
- 5 Innenrücktitelbild: In Vitro and In Vivo Uncaging and Bioluminescence Imaging by Using Photocaged Upconversion Nanoparticles (Angew. Chem. 13/2012). *Angewandte Chemie*, **2012**, 124, 3329-3329 3.6
- 4 Inside Back Cover: In Vitro and In Vivo Uncaging and Bioluminescence Imaging by Using Photocaged Upconversion Nanoparticles (Angew. Chem. Int. Ed. 13/2012). *Angewandte Chemie - International Edition*, **2012**, 51, 3275-3275 16.4
- 3 A Simple and Specific Assay for Real-Time Colorimetric Visualization of  $\beta$ -Lactamase Activity by Using Gold Nanoparticles. *Angewandte Chemie*, **2008**, 120, 3125-3125 3.6
- 2 Surface Coated NIR Light-Responsive Nanostructures for Imaging and Therapeutic Applications. *World Scientific Series in Nanoscience and Nanotechnology*, **2019**, 135-165 0.1
- 1 Photoactivatable Targeting Methods **2020**, 401-432