

# Hong-Zhang He

## List of Publications by Year in descending order

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31  
papers

2,777  
citations

218677

26  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioactive Luminescent Transition-Metal Complexes for Biomedical Applications. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7666-7682.	13.8	339
2	Recent advances in luminescent heavy metal complexes for sensing. <i>Coordination Chemistry Reviews</i> , 2012, 256, 3087-3113.	18.8	273
3	Label-free luminescent oligonucleotide-based probes. <i>Chemical Society Reviews</i> , 2013, 42, 3427.	38.1	214
4	G-quadruplexes for luminescent sensing and logic gates. <i>Nucleic Acids Research</i> , 2013, 41, 4345-4359.	14.5	150
5	Label-free luminescence switch-on detection of hepatitis C virus NS3 helicase activity using a G-quadruplex-selective probe. <i>Chemical Science</i> , 2015, 6, 2166-2171.	7.4	142
6	Detection of nicking endonuclease activity using a G-quadruplex-selective luminescent switch-on probe. <i>Chemical Science</i> , 2014, 5, 4561-4568.	7.4	136
7	Label-free luminescence switch-on detection of T4 polynucleotide kinase activity using a G-quadruplex-selective probe. <i>Chemical Communications</i> , 2014, 50, 5313-5315.	4.1	119
8	Simple DNA-based logic gates responding to biomolecules and metal ions. <i>Chemical Science</i> , 2013, 4, 3366.	7.4	114
9	Detection of base excision repair enzyme activity using a luminescent G-quadruplex selective switch-on probe. <i>Chemical Communications</i> , 2013, 49, 5630.	4.1	113
10	A highly selective G-quadruplex-based luminescent switch-on probe for the detection of gene deletion. <i>Chemical Communications</i> , 2012, 48, 9462.	4.1	102
11	An oligonucleotide-based switch-on luminescent probe for the detection of kanamycin in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 487-492.	7.8	96
12	A luminescent G-quadruplex switch-on probe for the highly selective and tunable detection of cysteine and glutathione. <i>Chemical Communications</i> , 2013, 49, 771-773.	4.1	94
13	Luminescent detection of DNA-binding proteins. <i>Nucleic Acids Research</i> , 2012, 40, 941-955.	14.5	90
14	Label-free detection of sub-nanomolar lead(II) ions in aqueous solution using a metal-based luminescent switch-on probe. <i>Biosensors and Bioelectronics</i> , 2013, 41, 871-874.	10.1	84
15	Combination of i-Motif and G-Quadruplex Structures within the Same Strand: Formation and Application. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7742-7746.	13.8	74
16	A label-free G-quadruplex-based switch-on fluorescence assay for the selective detection of ATP. <i>Analyst</i> , 2012, 137, 1538.	3.5	73
17	Label-Free Luminescent Switch-on Detection of Endonuclease IV Activity Using a G-Quadruplex-Selective Iridium(III) Complex. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12249-12253.	8.0	55
18	Visualization of Zn <sup>2+</sup> Ions in Live Zebrafish Using a Luminescent Iridium(III) Chemosensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14008-14015.	8.0	54

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19	Luminescent oligonucleotide-based detection of enzymes involved with DNA repair. <i>Chemical Science</i> , 2013, 4, 3781.	7.4	50
20	A highly selective G-quadruplex-based luminescent switch-on probe for the detection of nanomolar strontium(ii) ions in sea water. <i>RSC Advances</i> , 2012, 2, 8273.	3.6	42
21	Luminescent G-quadruplex Probes. <i>Current Pharmaceutical Design</i> , 2012, 18, 2058-2075.	1.9	41
22	Metal complexes as inhibitors of transcription factor activity. <i>Coordination Chemistry Reviews</i> , 2013, 257, 3139-3151.	18.8	37
23	Label-free sensing of pH and silver nanoparticles using an AND logic gate. <i>Analytica Chimica Acta</i> , 2012, 733, 78-83.	5.4	36
24	A G-quadruplex-selective luminescent switch-on probe for the detection of sub-nanomolar human neutrophil elastase. <i>RSC Advances</i> , 2013, 3, 1656-1659.	3.6	32
25	A label-free G-quadruplex-based luminescent switch-on assay for the selective detection of histidine. <i>Methods</i> , 2013, 64, 205-211.	3.8	27
26	A parallel G-quadruplex-selective luminescent probe for the detection of nanomolar calcium(II) ion. <i>Methods</i> , 2013, 64, 212-217.	3.8	26
27	A Colorimetric and Luminescent Dual-Modal Assay for Cu(II) Ion Detection Using an Iridium(III) Complex. <i>PLoS ONE</i> , 2014, 9, e99930.	2.5	26
28	Luminescent detection of human serum albumin in aqueous solution using a cyclometallated iridium(III) complex. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 177-184.	7.8	26
29	Detection of 3'→5' exonuclease activity using a metal-based luminescent switch-on probe. <i>Methods</i> , 2013, 64, 218-223.	3.8	19
30	A highly sensitive G-quadruplex-based luminescent switch-on probe for the detection of polymerase 3'→5' proofreading activity. <i>Methods</i> , 2013, 64, 224-228.	3.8	13
31	Application of a DNA-based luminescence switch-on method for the detection of mercury(II) ions in water samples from Hong Kong. <i>Environmental Research Letters</i> , 2012, 7, 044032.	5.2	11