

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

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docs citations

35
times ranked

3189
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Visualization of Zn ²⁺ Ions in Live Zebrafish Using a Luminescent Iridium(III) Chemosensor. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14008-14015.	8.0	54
5	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
6	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
7	Luminescent oligonucleotide-based detection of enzymes involved with DNA repair. <i>Chemical Science</i> , 2013, 4, 3781.	7.4	50
8	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
9	Metal complexes as inhibitors of transcription factor activity. <i>Coordination Chemistry Reviews</i> , 2013, 257, 3139-3151.	18.8	37
10	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
11	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
12	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
13	Detection of 3'→5' exonuclease activity using a metal-based luminescent switch-on probe. <i>Methods</i> , 2013, 64, 218-223.	3.8	19
14	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
15	Label-free luminescent oligonucleotide-based probes. <i>Chemical Society Reviews</i> , 2013, 42, 3427.	38.1	214
16	Simple DNA-based logic gates responding to biomolecules and metal ions. <i>Chemical Science</i> , 2013, 4, 3366.	7.4	114
17	Bioactive Luminescent Transition-Metal Complexes for Biomedical Applications. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7666-7682.	13.8	339
18	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

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19	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
20	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
21	Label-Free Luminescent Switch-on Detection of Endonuclease IV Activity Using a G-Quadruplex-Selective Iridium(III) Complex. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12249-12253.	8.0	55
22	G-quadruplexes for luminescent sensing and logic gates. <i>Nucleic Acids Research</i> , 2013, 41, 4345-4359.	14.5	150
23	Combination of iâ€Motif and Gâ€Quadruplex Structures within the Same Strand: Formation and Application. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7742-7746.	13.8	74
24	Luminescent G-quadruplex Probes. <i>Current Pharmaceutical Design</i> , 2012, 18, 2058-2075.	1.9	41
25	Luminescent detection of DNA-binding proteins. <i>Nucleic Acids Research</i> , 2012, 40, 941-955.	14.5	90
26	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
27	Recent advances in luminescent heavy metal complexes for sensing. <i>Coordination Chemistry Reviews</i> , 2012, 256, 3087-3113.	18.8	273
28	Label-free sensing of pH and silver nanoparticles using an â€œORâ€ logic gate. <i>Analytica Chimica Acta</i> , 2012, 733, 78-83.	5.4	36
29	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
30	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
31	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