

Yusuke Kitamura

List of Publications by Year in descending order

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45
papers

613
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567281

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all docs

46
docs citations

46
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Ion-Directed Specific DNA Structures and Their Functions. <i>Life</i> , 2022, 12, 686.	2.4	4
2	Small molecule-based detection of non-canonical RNA G-quadruplex structures that modulate protein translation. <i>Nucleic Acids Research</i> , 2022, 50, 8143-8153.	14.5	5
3	Catalytic Amplification of Electrochemical Signal in Homogeneous Solution Using an Entropy-driven DNA Circuit. <i>Analytical Sciences</i> , 2021, 37, 533-537.	1.6	3
4	Cysteine Hydropersulfide Inactivates β -Lactam Antibiotics with Formation of Ring-Opened Carbothioic S-Acids in Bacteria. <i>ACS Chemical Biology</i> , 2021, 16, 731-739.	3.4	16
5	Detection of cancer cells in whole blood using a dynamic deformable microfilter and a nucleic acid aptamer. <i>Talanta</i> , 2021, 228, 122239.	5.5	17
6	Cooperative recognition of a repetitive sequence through consecutive formation of triplex and duplex structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 97-108.	1.1	1
7	Detection of prostate-specific antigen in semen using DNA aptamers: an application of nucleic acid aptamers in forensic body fluid identification. <i>Analytical Methods</i> , 2020, 12, 2703-2709.	2.7	5
8	G-quadruplexes in mRNA: A key structure for biological function. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 261-266.	2.1	23
9	Catalytic formation of luminescent lanthanide complexes using an entropy-driven DNA circuit. <i>Chemical Communications</i> , 2020, 56, 3863-3866.	4.1	7
10	Electrochemical Molecular Beacon for Nucleic Acid Sensing in a Homogeneous Solution. <i>Analytical Sciences</i> , 2020, 36, 959-964.	1.6	6
11	Xylitol Separation from a Polyol Mixture Using Lanthanide Ion-loaded Resins. <i>Analytical Sciences</i> , 2020, 36, 769-773.	1.6	2
12	A RuO ₂ Nanosheet as a Novel Quencher-free Platform for the Detection of Nucleic Acids in a Homogeneous Solution. <i>Analytical Sciences</i> , 2020, 36, 397-400.	1.6	1
13	A dynamically deformable microfilter for selective separation of specific substances in microfluidics. <i>Biomicrofluidics</i> , 2020, 14, 064113.	2.4	4
14	A novel cholinesterase assay for the evaluation of neurotoxin poisoning based on the electron-transfer promotion effect of thiocholine on an Au electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126893.	7.8	9
15	Catalytic Formation of Luminescent Complex Clusters Based on Autonomous Strand Exchange Reaction of DNA. <i>ACS Applied Bio Materials</i> , 2019, 2, 2988-2993.	4.6	8
16	Generalized Preparation of Two-Dimensional Quasi-nanosheets via Self-assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019, 141, 1725-1734.	13.7	29
17	Electrochemical Sensing of Neurotoxic Agents Based on Their Electron Transfer Promotion Effect on an Au Electrode. <i>Analytical Chemistry</i> , 2017, 89, 5742-5747.	6.5	12
18	Sensitive Electrochemical Detection of Nereistoxin by Reductive Desorption from Au(111) and Au(100). <i>Electrochemistry</i> , 2016, 84, 349-353.	1.4	4

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19	Graphene Oxide-based Amplified Fluorescence Sensor for Nucleic Acid Detection through Target-catalyzed Hairpin Assembly. <i>Chemistry Letters</i> , 2015, 44, 1353-1355.	1.3	4
20	Graphene Oxide: A Fertile Nanosheet for Various Applications. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 121012.	1.6	22
21	Metal ion-directed dynamic splicing of DNA through global conformational change by intramolecular complexation. <i>Nature Communications</i> , 2015, 6, 6640.	12.8	18
22	In situ oxygenous functionalization of a graphite electrode for enhanced affinity towards charged species and a reduced graphene oxide mediator. <i>New Journal of Chemistry</i> , 2014, 38, 2120-2127.	2.8	19
23	Potentiometric DNA sensing platform using redox-active DNA probe pair for sandwich-type dual hybridization at indicator electrode surface. <i>Journal of Electroanalytical Chemistry</i> , 2014, 720-721, 71-75.	3.8	2
24	Alteration of DNAzyme Activity by Silver Ion. <i>Chemistry Letters</i> , 2014, 43, 1020-1022.	1.3	9
25	Rational Design for Cooperative Recognition of Specific Nucleobases Using β -Cyclodextrin-Modified DNAs and Fluorescent Ligands on DNA and RNA Scaffolds. <i>Chemistry - A European Journal</i> , 2013, 19, 10526-10535.	3.3	12
26	DNA analysis based on toehold-mediated strand displacement on graphene oxide. <i>Chemical Communications</i> , 2013, 49, 10139.	4.1	26
27	Versatile allosteric molecular devices based on reversible formation of luminous lanthanide complexes. <i>Chemical Communications</i> , 2013, 49, 285-287.	4.1	15
28	Metallo-regulation of the bimolecular triplex formation of a peptide nucleic acid. <i>Dalton Transactions</i> , 2013, 42, 16006.	3.3	7
29	The DNA binding site specificity and antiproliferative property of ternary Pt(II) and Zn(II) complexes of phenanthroline and N,N'-ethylene-diaminediacetic acid. <i>Dalton Transactions</i> , 2013, 42, 3337.	3.3	13
30	Development of Novel Nucleic Acid Probes Based on the Template-directed Formation and Interaction of Metal Complexes. <i>Bunseki Kagaku</i> , 2013, 62, 793-810.	0.2	0
31	DNA Recognition and Analysis Through Cooperative Metal-ion Complex Formation of Split Probes. <i>Bunseki Kagaku</i> , 2012, 61, 193-206.	0.2	1
32	Photochemically relevant DNA-based molecular systems enabling chemical and signal transductions and their analytical applications. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2012, 13, 148-167.	11.6	12
33	DNA molecular recognition and cellular selectivity of anticancer metal(II) complexes of ethylenediaminediacetate and phenanthroline: multiple targets. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 57-69.	2.6	30
34	DNA Analysis Based on the Local Structural Disruption to the Duplexes Carrying a Luminous Lanthanide Complex. <i>Analytical Sciences</i> , 2011, 27, 585.	1.6	10
35	Conformational change of ternary copper(II) complexes of cationic Schiff-bases and N-heteroaromatic amines induced by intercalative binding to DNA. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1461-1464.	3.9	23
36	Template-directed formation of luminescent lanthanide complexes: Versatile tools for colorimetric identification of single nucleotide polymorphism. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1921-1931.	3.5	50

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37	Colorimetric allele typing through cooperative binding of DNA probes carrying a metal chelator for luminescent lanthanide ions. <i>Analytical Biochemistry</i> , 2006, 359, 259-261.	2.4	24
38	Metal ion-directed cooperative DNA binding of small molecules. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1744-1754.	3.5	21
39	Colorimetric allele analysis based on the DNA-directed cooperative formation of luminous lanthanide complexes. <i>Nucleic Acids Symposium Series</i> , 2006, 50, 105-106.	0.3	6
40	DNA-templated Cooperative Formation of the Luminous Lanthanide Complex and Its Analytical Application to Gene Detection. <i>Chemistry Letters</i> , 2005, 34, 1606-1607.	1.3	26
41	Synthesis of the Amidite Reagent to Built Bipyridine Units into DNA Backbone. <i>Heterocycles</i> , 2005, 65, 293.	0.7	6
42	Asymmetric cooperativity in tandem hybridization of enantiomeric metal complex-tethered short fluorescent DNA probes. <i>Chemical Communications</i> , 2005, , 4523.	4.1	19
43	Photochemical Ligation of DNA Conjugates through Anthracene Cyclodimer Formation and Its Fidelity to the Template Sequences. <i>Journal of the American Chemical Society</i> , 2004, 126, 8880-8881.	13.7	79
44	Metal ion-directed outside binding of small DNA ligand. <i>Nucleic Acids Symposium Series</i> , 2003, 3, 85-86.	0.3	3
45	Highly enhanced duplex stability of dipyrdo [3,2-a:2',3'-c] phenazine-modified oligonucleotide conjugate. <i>Nucleic Acids Symposium Series</i> , 2003, 3, 95-96.	0.3	0