Chittanon Buranachai

List of Publications by Year
in descending order

24	1,003	840776 11	713466 21
papers	citations	h-index	g-index

24	24	24	1519
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A copper nanoclusters probe for dual detection of microalbumin and creatinine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120816.	3.9	13
2	Portable device for dual detection of fluorescence and absorbance for biosensing or chemical sensing applications. HardwareX, 2022, 11, e00268.	2.2	1
3	Newly found K+-Thioflavin T competitive binding to DNA G-quadruplexes and the development of a label-free fluorescent biosensor with extra low detection limit for K+ determination in urine samples. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 276, 121244.	3.9	4
4	Smartphone-based portable fluorescence sensor with gold nanoparticle mediation for selective detection of nitrite ions. Food Chemistry, 2022, 384, 132478.	8.2	15
5	Fluorescent cysteine probe based on a signal amplification unit, a catalyzed hairpin assembly reaction and FÃ¶rster resonance energy transfer. Methods and Applications in Fluorescence, 2022, 10, 035002.	2.3	0
6	A Label-free DNA-based Fluorescent Sensor for Cisplatin Detection. Sensors and Actuators B: Chemical, 2021, 326, 128764.	7.8	17
7	Real-time investigation of the roles of ATP hydrolysis by UvrA and UvrB during DNA damage recognition in nucleotide excision repair. DNA Repair, 2021, 97, 103024.	2.8	4
8	Smartphone-based fluorescent ELISA with simple fluorescent enhancement strategy for Opisthorchis viverrini (Ov) antigen detection in urine samples. Sensors and Actuators B: Chemical, 2021, 348, 130705.	7.8	17
9	A nanobiosensor for the simple detection of small molecules using non-crosslinking aggregation of gold nanoparticles with G-quadruplexes. Analytical Methods, 2020, 12, 230-238.	2.7	5
10	Fluorescence quenching by photoinduced electron transfer between 7-methoxycoumarin and guanine base facilitated by hydrogen bonds: an in silico study. Physical Chemistry Chemical Physics, 2019, 21, 16258-16269.	2.8	15
11	Development of a highly sensitive label-free DNA based fluorescent sensor for cisplatin detection. Journal of Physics: Conference Series, 2019, 1380, 012065.	0.4	0
12	Wavelet analysis on time-frequency plane of optical coherence tomography: simultaneous signal quality improvement in structural and velocity images. Optics Letters, 2018, 43, 3730.	3.3	2
13	Enhancing capacitive DNA biosensor performance by target overhang with application on screening test of HLA-B*58:01 and HLA-B*57:01 genes. Biosensors and Bioelectronics, 2016, 82, 99-104.	10.1	5
14	A FRET based aptasensor coupled with non-enzymatic signal amplification for mercury (II) ion detection. Talanta, 2016, 155, 305-313.	5.5	16
15	An application of optical coherence tomography and a smart polymer gel to construct an enzyme-free sugar sensor. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	5
16	Excited state free energy calculations of Cy3 in different environments. Journal Physics D: Applied Physics, 2015, 48, 205401.	2.8	6
17	A new screening method for flunitrazepam in vodka and tequila by fluorescence spectroscopy. Luminescence, 2013, 28, 76-83.	2.9	16
18	Novel template-assisted fabrication of porous gold nanowire arrays using a conductive-layer-free anodic alumina oxide membrane. Electrochimica Acta, 2013, 102, 342-350.	5.2	12

#	Article	IF	Citations
19	A Novel Reconfigurable Optical Biosensor Based on DNA Aptamers and a DNA Molecular Beacon. Journal of Fluorescence, 2012, 22, 1617-1625.	2.5	7
20	What is behind all those lifetimes anyway, and where do we go from here?. Proceedings of SPIE, 2009, , .	0.8	6
21	Fabrication of Nanoporous Copper Film for Electrochemical Detection of Glucose. Electroanalysis, 2009, 21, 2371-2377.	2.9	58
22	Rapid Frequency-Domain FLIM Spinning Disk Confocal Microscope: Lifetime Resolution, Image Improvement and Wavelet Analysis. Journal of Fluorescence, 2008, 18, 929-942.	2.5	45
23	Advances in Single-Molecule Fluorescence Methods for Molecular Biology. Annual Review of Biochemistry, 2008, 77, 51-76.	11.1	673
24	Single Molecule Nanometronome. Nano Letters, 2006, 6, 496-500.	9.1	61