

# Chittanon Buranachai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/994044/publications.pdf>

Version: 2024-02-01

24  
papers

1,003  
citations

840776

11  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Single-Molecule Fluorescence Methods for Molecular Biology. Annual Review of Biochemistry, 2008, 77, 51-76.	11.1	673
2	Single Molecule Nanometronome. Nano Letters, 2006, 6, 496-500.	9.1	61
3	Fabrication of Nanoporous Copper Film for Electrochemical Detection of Glucose. Electroanalysis, 2009, 21, 2371-2377.	2.9	58
4	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
5	A Label-free DNA-based Fluorescent Sensor for Cisplatin Detection. Sensors and Actuators B: Chemical, 2021, 326, 128764.	7.8	17
6	Smartphone-based fluorescent ELISA with simple fluorescent enhancement strategy for <i>Opisthorchis viverrini</i> (Ov) antigen detection in urine samples. Sensors and Actuators B: Chemical, 2021, 348, 130705.	7.8	17
7	A new screening method for flunitrazepam in vodka and tequila by fluorescence spectroscopy. Luminescence, 2013, 28, 76-83.	2.9	16
8	A FRET based aptasensor coupled with non-enzymatic signal amplification for mercury (II) ion detection. Talanta, 2016, 155, 305-313.	5.5	16
9	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
10	Smartphone-based portable fluorescence sensor with gold nanoparticle mediation for selective detection of nitrite ions. Food Chemistry, 2022, 384, 132478.	8.2	15
11	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
12	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
13	A Novel Reconfigurable Optical Biosensor Based on DNA Aptamers and a DNA Molecular Beacon. Journal of Fluorescence, 2012, 22, 1617-1625.	2.5	7
14	What is behind all those lifetimes anyway, and where do we go from here?. Proceedings of SPIE, 2009, , .	0.8	6
15	Excited state free energy calculations of Cy3 in different environments. Journal Physics D: Applied Physics, 2015, 48, 205401.	2.8	6
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Real-time investigation of the roles of ATP hydrolysis by UvrA and UvrB during DNA damage recognition in nucleotide excision repair. <i>DNA Repair</i> , 2021, 97, 103024.	2.8	4
20	Newly found K <sup>+</sup> -Thioflavin T competitive binding to DNA G-quadruplexes and the development of a label-free fluorescent biosensor with extra low detection limit for K <sup>+</sup> determination in urine samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121244.	3.9	4
21	Wavelet analysis on time-frequency plane of optical coherence tomography: simultaneous signal quality improvement in structural and velocity images. <i>Optics Letters</i> , 2018, 43, 3730.	3.3	2
22	Portable device for dual detection of fluorescence and absorbance for biosensing or chemical sensing applications. <i>HardwareX</i> , 2022, 11, e00268.	2.2	1
23	Development of a highly sensitive label-free DNA based fluorescent sensor for cisplatin detection. <i>Journal of Physics: Conference Series</i> , 2019, 1380, 012065.	0.4	0
24	Fluorescent cysteine probe based on a signal amplification unit, a catalyzed hairpin assembly reaction and Förster resonance energy transfer. <i>Methods and Applications in Fluorescence</i> , 2022, 10, 035002.	2.3	0