

# Sumana Kladsomboon

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

288  
citations

1040056

9  
h-index

1281871

11  
g-index

18  
all docs

18  
docs citations

18  
times ranked

354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multipurpose sensing applications of biocompatible radish-derived carbon dots as Cu <sup>2+</sup> and acetic acid vapor sensors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 59-70.	3.9	63
2	Anion identification using silsesquioxane cages. <i>Chemical Science</i> , 2018, 9, 7753-7765.	7.4	51
3	Heavy metals contamination in soil, surface water, crops, and resident blood in Uthai District, Phra Nakhon Si Ayutthaya, Thailand. <i>Environmental Geochemistry and Health</i> , 2020, 42, 545-561.	3.4	31
4	A method for the detection of alcohol vapours based on optical sensing of magnesium 5,10,15,20-tetraphenyl porphyrin thin film by an optical spectrometer and principal component analysis. <i>Analytica Chimica Acta</i> , 2012, 757, 75-82.	5.4	29
5	Label-free carbon dots from black sesame seeds for real-time detection of ammonia vapor via optical electronic nose and density functional theory calculation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 118-128.	4.7	22
6	Development of Organic-Inorganic Hybrid Optical Gas Sensors for the Non-Invasive Monitoring of Pathogenic Bacteria. <i>Sensors</i> , 2018, 18, 3189.	3.8	20
7	Hybrid Optical-Electrochemical Electronic Nose System Based on Zn-Porphyrin and Multi-Walled Carbon Nanotube Composite. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5240-5244.	0.9	15
8	A hybrid electronic nose system for discrimination of pathogenic bacterial volatile compounds. <i>Analytical Methods</i> , 2020, 12, 5671-5683.	2.7	14
9	An Artificial Nose Based on M-Porphyrin (M = Mg, Zn) Thin Film and Optical Spectroscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10589-10594.	0.9	12
10	Portable optical-based electronic nose using dual-sensors array applied for volatile discrimination. , 2012, , .		9
11	An optical artificial nose system for odor classifications based on LED arrays. , 2011, , .		4
12	Thy-AuNP-AgNP Hybrid Systems for Colorimetric Determination of Copper (II) Ions Using UV-Vis Spectroscopy and Smartphone-Based Detection. <i>Nanomaterials</i> , 2022, 12, 1449.	4.1	4
13	Alcohol gas sensors based on magnesium tetraphenyl porphyrins. , 2008, , .		3
14	Health status monitoring by discrimination of exhaled breath with an electronic nose. , 2012, , .		3
15	Optical electronic nose based on porphyrin and phthalocyanine thin films for rice flavour classification. , 2014, , .		3
16	Dosimetric Performance of Poly(vinyl alcohol)/Silver Nanoparticles Hybrid Nanomaterials for Colorimetric Sensing of Gamma Radiation. <i>Nanomaterials</i> , 2022, 12, 1088.	4.1	3
17	Investigation of thermal and methanol-vapor treatments for MgTPP as an optical gas sensor. , 2009, , .		1
18	An artificial nose based on m-porphyrin (M = Mg, Zn) thin film and optical spectroscopy. , 2010, , .		1