Sumana Kladsomboon

List of Publications by Year
in descending order

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	Dosimetric Performance of Poly(vinyl alcohol)/Silver Nanoparticles Hybrid Nanomaterials for Colorimetric Sensing of Gamma Radiation. Nanomaterials, 2022, 12, 1088.	4.1	3
2	Thy-AuNP-AgNP Hybrid Systems for Colorimetric Determination of Copper (II) Ions Using UV-Vis Spectroscopy and Smartphone-Based Detection. Nanomaterials, 2022, 12, 1449.	4.1	4
3	Heavy metals contamination in soil, surface water, crops, and resident blood in Uthai District, Phra Nakhon Si Ayutthaya, Thailand. Environmental Geochemistry and Health, 2020, 42, 545-561.	3.4	31
4	A hybrid electronic nose system for discrimination of pathogenic bacterial volatile compounds. Analytical Methods, 2020, 12, 5671-5683.	2.7	14
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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 575, 118-128.	4.7	22
6	Multipurpose sensing applications of biocompatible radish-derived carbon dots as Cu2+ and acetic acid vapor sensors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 211, 59-70.	3.9	63
7	Anion identification using silsesquioxane cages. Chemical Science, 2018, 9, 7753-7765.	7.4	51
8	Development of Organic-Inorganic Hybrid Optical Gas Sensors for the Non-Invasive Monitoring of Pathogenic Bacteria. Sensors, 2018, 18, 3189.	3.8	20
9	Optical electronic nose based on porphyrin and phthalocyanine thin films for rice flavour classification. , 2014, , .		3
10	Hybrid Optical-Electrochemical Electronic Nose System Based on Zn-Porphyrin and Multi-Walled Carbon Nanotube Composite. Journal of Nanoscience and Nanotechnology, 2012, 12, 5240-5244.	0.9	15
11	Portable optical-based electronic nose using dual-sensors array applied for volatile discrimination. , 2012, , .		9
12	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. Analytica Chimica Acta, 2012, 757, 75-82.	5.4	29
13	Health status monitoring by discrimination of exhaled breath with an electronic nose. , 2012, , .		3
14	An optical artificial nose system for odor classifications based on LED arrays. , 2011, , .		4
15	An Artificial Nose Based on M-Porphyrin (M = Mg, Zn) Thin Film and Optical Spectroscopy. Journal of Nanoscience and Nanotechnology, 2011, 11, 10589-10594.	0.9	12
16	An artificial nose based on m-porphyrin (M = Mg, Zn) thin film and optical spectroscopy. , 2010, , .		1
17	Investigation of thermal and methanol-vapor treatments for MgTPP as an optical gas sensor. , 2009, , .		1
18	Alcohol gas sensors based on magnesium tetraphenyl porphyrins. , 2008, , .		3