

# Aree Choodum

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

710  
citations

567281

15  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

597  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using the iPhone as a device for a rapid quantitative analysis of trinitrotoluene in soil. <i>Talanta</i> , 2013, 115, 143-149.	5.5	93
2	A biodegradable colorimetric film for rapid low-cost field determination of formaldehyde contamination by digital image colorimetry. <i>Food Chemistry</i> , 2018, 249, 154-161.	8.2	63
3	Real time quantitative colourimetric test for methamphetamine detection using digital and mobile phone technology. <i>Forensic Science International</i> , 2014, 235, 8-13.	2.2	60
4	Rapid and semi-quantitative presumptive tests for opiate drugs. <i>Talanta</i> , 2011, 86, 284-292.	5.5	56
5	Digital image-based colourimetric tests for amphetamine and methylamphetamine. <i>Drug Testing and Analysis</i> , 2011, 3, 277-282.	2.6	50
6	A sol-gel colorimetric sensor for methamphetamine detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 553-560.	7.8	50
7	Rapid quantitative colourimetric tests for trinitrotoluene (TNT) in soil. <i>Forensic Science International</i> , 2012, 222, 340-345.	2.2	44
8	Portable and selective colorimetric film and digital image colorimetry for detection of iron. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 208, 40-47.	3.9	39
9	Curcumin nanoparticle doped starch thin film as a green colorimetric sensor for detection of boron. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117351.	3.9	31
10	Selective pre and post blast trinitrotoluene detection with a novel ethylenediamine entrapped thin polymer film and digital image colorimetry. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 463-469.	7.8	28
11	Removal and recovery of phosphate using a novel calcium silicate hydrate composite starch cryogel. <i>Journal of Environmental Management</i> , 2022, 301, 113923.	7.8	26
12	On-site semi-quantitative analysis for ammonium nitrate detection using digital image colourimetry. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015, 55, 437-445.	2.1	22
13	Poly vinyl alcohol cryogel as a selective test kit for pre and post blast trinitrotoluene. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 654-662.	7.8	22
14	A cost effective hydrogel test kit for pre and post blast trinitrotoluene. <i>Forensic Science International</i> , 2016, 266, 202-208.	2.2	15
15	A novel colorimetric sensor based on modified mesoporous silica nanoparticles for rapid on-site detection of nitrite. <i>Mikrochimica Acta</i> , 2020, 187, 643.	5.0	15
16	Acetaldehyde residue in polyethylene terephthalate (PET) bottles. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 577-583.	1.5	13
17	Greener Monolithic Solid Phase Extraction Biosorbent Based on Calcium Cross-Linked Starch Cryogel Composite Graphene Oxide Nanoparticles for Benzo(a)pyrene Analysis. <i>Molecules</i> , 2021, 26, 6163.	3.8	13
18	Convenient environmentally friendly on-site quantitative analysis of nitrite and nitrate in seawater based on polymeric test kits and smartphone application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 243, 118812.	3.9	12

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19	Development and validation of an analytical method for hydrocarbon residues using gas chromatography-mass spectrometry. <i>Analytical Methods</i> , 2011, 3, 1136.	2.7	9
20	Ecstasy Analysis by Monolithic Materials-Capillary Electrochromatography. <i>Analytical Sciences</i> , 2009, 25, 517-522.	1.6	7
21	Evaluating the performance of three GC columns commonly used for the analysis of ignitable liquid mixtures encountered in fire debris. <i>Analytical Methods</i> , 2011, 3, 1525.	2.7	7
22	Fluorinated monolithic column for CEC. <i>Journal of Separation Science</i> , 2011, 34, 2264-2270.	2.5	6
23	Preparation and Characterization of Calcium Cross-Linked Starch Monolithic Cryogels and Their Application as Cost-Effective Green Filters. <i>Polymers</i> , 2021, 13, 3975.	4.5	6
24	Catechin and curcumin nanoparticle-immobilized starch cryogels as green colorimetric sensors for on-site detection of iron. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 29, 100782.	3.3	6
25	Difluoroboron-Curcumin Doped Starch Film and Digital Image Colorimetry for Semi-Quantitative Analysis of Arsenic. <i>Analytical Sciences</i> , 2020, 36, 577-581.	1.6	5
26	Plastic/Natural Fiber Composite Based on Recycled Expanded Polystyrene Foam Waste. <i>Polymers</i> , 2022, 14, 2241.	4.5	5
27	Griess-doped polyvinyl alcohol thin film for on-site simultaneous sample preparation and nitrite determination of processed meat products. <i>Food Chemistry</i> , 2022, 389, 133085.	8.2	4
28	Fritless Xterra Particles Encapsulated Within a Poly(butylmethacrylate) Based Monolith for Use in CEC. <i>Chromatographia</i> , 2009, 69, 481-488.	1.3	2
29	Analysis of chain saw lubricating oils commonly used in Thailand's southern border provinces for forensic science purpose. <i>Forensic Science International</i> , 2014, 241, 60-68.	2.2	1
30	Tetramethylammonium Hydroxide-doped Starch Film as a Colorimetric Sensor for Trinitrotoluene Detection. <i>Analytical Sciences</i> , 2020, 36, 1261-1267.	1.6	0