Chongdee Thammakhet

List of Publications by Year
in descending order

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49 papers	1,112 citations	393982 19 h-index	414034 32 g-index
50 all docs	50 docs citations	50 times ranked	1613 citing authors

#	Article	IF	Citations
1	A highly stable oxygen-independent glucose biosensor based on a chitosan-albumin cryogel incorporated with carbon nanotubes and ferrocene. Sensors and Actuators B: Chemical, 2013, 185, 725-734.	4.0	82
2	Amperometric sensor for detection of bisphenol A using a pencil graphite electrode modified with polyaniline nanorods and multiwalled carbon nanotubes. Mikrochimica Acta, 2012, 176, 91-99.	2.5	81
3	4-mercaptophenylboronic acid functionalized gold nanoparticles for colorimetric sialic acid detection. Biosensors and Bioelectronics, 2016, 85, 743-750.	5.3	80
4	Development of magnetic micro-solid phase extraction for analysis of phthalate esters in packaged food. Food Chemistry, 2015, 166, 275-282.	4.2	67
5	Multiwalled carbon nanotubes/cryogel composite, a new sorbent for determination of trace polycyclic aromatic hydrocarbons. Microchemical Journal, 2010, 96, 317-323.	2.3	64
6	Fabrication of Nanoporous Copper Film for Electrochemical Detection of Glucose. Electroanalysis, 2009, 21, 2371-2377.	1.5	58
7	Integrated explosive preconcentrator and electrochemical detection system for 2,4,6-trinitrotoluene (TNT) vapor. Analytica Chimica Acta, 2010, 661, 117-121.	2.6	56
8	Potentiometric Detection of DNA Hybridization using Enzyme-Induced Metallization and a Silver Ion Selective Electrode. Analytical Chemistry, 2009, 81, 10007-10012.	3.2	53
9	A new polyethylene glycol fiber prepared by coating porous zinc electrodeposited onto silver for solid-phase microextraction of styrene. Analytica Chimica Acta, 2010, 664, 49-55.	2.6	44
10	Affinity sensor using 3-aminophenylboronic acid for bacteria detection. Biosensors and Bioelectronics, 2010, 26, 357-364.	5.3	44
11	Optical responses, permeability and diol-specific reactivity of thin polyacrylamide gels containing immobilized phenylboronic acid. Polymer, 2008, 49, 1444-1454.	1.8	33
12	A polypyrrole-chitosan cryogel stir-bead micro-solid phase extractor for the determination of phthalate esters in contact lenses storage solutions and in artificial saliva in contact with baby teethers. Analytica Chimica Acta, 2017, 985, 69-78.	2.6	32
13	A novel 3D-printed solid phase microextraction device equipped with silver-polyaniline coated pencil lead for the extraction of phthalate esters in cosmeceutical products. Analytica Chimica Acta, 2019, 1091, 30-39.	2.6	29
14	Microtrap modulated flame ionization detector for on-line monitoring of methane. Journal of Chromatography A, 2005, 1072, 243-248.	1.8	24
15	Disposable Electrodes for Capacitive Immunosensor. Electroanalysis, 2009, 21, 1066-1074.	1.5	24
16	Microfluidic conductimetric bioreactor. Biosensors and Bioelectronics, 2007, 22, 3064-3071.	5.3	21
17	A miniaturized monolith-MWCNTs-COOH multi-stir-rod microextractor device for trace parabens determination in cosmetic and personal care products. Talanta, 2018, 184, 429-436.	2.9	21
18	Cost effective passive sampling device for volatile organic compounds monitoring. Atmospheric Environment, 2006, 40, 4589-4596.	1.9	19

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19	5-Aminofluorescein doped polyvinyl alcohol film for the detection of formaldehyde in vegetables and seafood. Analytical Methods, 2016, 8, 1249-1256.	1.3	19
20	High-Temperature Potentiometry: Modulated Response of Ion-Selective Electrodes During Heat Pulses. Analytical Chemistry, 2009, 81, 10290-10294.	3.2	18
21	A novel miniaturized zinc oxide/hydroxylated multiwalled carbon nanotubes as a stir-brush microextractor device for carbamate pesticides analysis. Analytica Chimica Acta, 2016, 917, 27-36.	2.6	18
22	Thin semitransparent gels containing phenylboronic acid: porosity, optical response and permeability for sugars. Journal of Molecular Recognition, 2008, 21, 89-95.	1.1	16
23	Development of an on-column affinity smart polymer gel glucose sensor. Analytica Chimica Acta, 2011, 695, 105-112.	2.6	16
24	A FRET based aptasensor coupled with non-enzymatic signal amplification for mercury (II) ion detection. Talanta, 2016, 155, 305-313.	2.9	16
25	Online in-tube microextractor coupled with UV-Vis spectrophotometer for bisphenol A detection. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 242-250.	0.9	15
26	A stir foam composed of graphene oxide, poly(ethylene glycol) and natural latex for the extraction of preservatives and antioxidant. Mikrochimica Acta, 2018, 185, 148.	2.5	14
27	Photosynthetic activity and photoprotection in green and red leaves of the seagrasses, Halophila ovalis and Cymodocea rotundata: implications for the photoprotective role of anthocyanin. Marine Biology, 2017, 164, 1.	0.7	14
28	A copper nanoclusters probe for dual detection of microalbumin and creatinine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120816.	2.0	13
29	Novel template-assisted fabrication of porous gold nanowire arrays using a conductive-layer-free anodic alumina oxide membrane. Electrochimica Acta, 2013, 102, 342-350.	2.6	12
30	A preconcentrator-separator two-in-one online system for polycyclic aromatic hydrocarbons analysis. Talanta, 2017, 167, 573-582.	2.9	11
31	A simple and high collection efficiency sampling method for monitoring of carbonyl compounds in a workplace environment. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 167-175.	0.9	10
32	One-step preparation of porous copper nanowires electrode for highly sensitive and stable amperometric detection of glyphosate. Chemical Papers, 2015, 69, .	1.0	10
33	A miniature stainless steel net dumbbell-shaped stir-bar for the extraction of phthalate esters in instant noodle and rice soup samples. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2020, 55, 60-68.	0.7	10
34	Novel pipette-tip graphene/poly (vinyl alcohol) cryogel composite extractor for the analysis of carbofuran and carbaryl in water. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 713-721.	0.7	8
35	Magnetic microsphere sorbent on CaCO3 templates: Simple synthesis and efficient extraction of trace carbamate pesticides in fresh produce. Food Chemistry, 2021, 342, 128336.	4.2	7
36	Cauliflower polyaniline/multiwalled carbon nanotube electrode and its applications to hydrogen peroxide and glucose detection*. Pure and Applied Chemistry, 2012, 84, 2055-2063.	0.9	6

#	Article	IF	Citations
37	A simple gelatin aerogel tablet sorbent for the effective vortex assisted solid phase extraction of polycyclic aromatic hydrocarbons from tea samples. Food Chemistry, 2022, 383, 132388.	4.2	6
38	A novel microextractor stick (polyaniline/zinc film/stainless steel) for polycyclic aromatic hydrocarbons in water. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 882-891.	0.9	5
39	Multiwalled carbon nanotubesâ€“poly(vinyl alcohol) composite cryogel used in microcolumn liquid chromatography to separate various herbicides. Analytical Methods, 2016, 8, 3975-3981.	1.3	5
40	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.	1.1	5
41	Sampling of BTX in Hat Yai city using cost effective laboratory-built PCB passive sampler. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 861-869.	0.9	5
42	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.	1.3	5
43	Novel fabricated silver particles/polypyrrole printed circuit board passive samplers for volatile organic compounds monitoring. Microchemical Journal, 2013, 108, 180-187.	2.3	4
44	Custom-Made C₁₈Column for Simultaneous Determination of Endocrine Disrupting Substances in Water by Diode-Array and Fluorescence Detectors. Analytical Letters, 2011, 44, 787-799.	1.0	3
45	Evaluation of cost-effective sol-gel-based sensor for monitoring of formaldehyde in workplace environment and cancer risk assessment. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 263-272.	0.9	3
46	A scanner-based colorimetric mercuric ion detection using Tween-20-stabilized AuNPs solution in 96-well plates. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1082-1088.	0.9	2
47	Online microchannel preconcentrator for carbofuran detection. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2013, 48, 893-905.	0.7	1
48	Distributions of SO2and NO2in the lower atmosphere of an industrial area in Bhutan. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 1278-1287.	0.9	1
49	A stir bar sorptive extraction device coupled with a gas chromatography flame ionization detector for the determination of abused prescription drugs in lean cocktail samples. Analytical Methods, 2022, 14, 2557-2568.	1.3	1