Saksit Chanthai

List of Publications by Citations

85 papers	1,388 citations	19 h-index	34 g-index
98 ext. papers	1,696 ext. citations	2.9 avg, IF	5.01 L-index

#	Paper	IF	Citations
85	Preparation of activated carbon derived from Jatropha curcas fruit shell by simple thermo-chemical activation and characterization of their physico-chemical properties. *Chemical Engineering Research and Design*, **2011**, 89, 335-340	5.5	179
84	Nanocrystalline hydroxyapatite from fish scale waste: Preparation, characterization and application for selenium adsorption in aqueous solution. *Chemical Engineering Journal*, **2013**, 215-216, 522-532	14.7	149
83	Sonocatalytic performance of ZnO/graphene/TiO2 nanocomposite for degradation of dye pollutants (methylene blue, texbrite BAC-L, texbrite BBU-L and texbrite NFW-L) under ultrasonic irradiation. *Dyes and Pigments*, **2016**, 134, 487-497	4.6	84
82	Phytochemicals in Capsicum oleoresin from different varieties of hot chilli peppers with their antidiabetic and antioxidant activities due to some phenolic compounds. *Ultrasonics Sonochemistry*, **2017**, 38, 629-639	8.9	62
81	Visible light-driven photocatalytic degradation of rhodamine B and industrial dyes (texbrite BAC-L and texbrite NFW-L) by ZnO-graphene-TiO2 composite. *Journal of Environmental Chemical Engineering*, **2016**, 4, 2170-2177	6.8	59
80	FeO/hydroxyapatite/graphene quantum dots as a novel nano-sorbent for preconcentration of copper residue in Thai food ingredients: Optimization of ultrasound-assisted magnetic solid phase extraction. *Ultrasonics Sonochemistry*, **2017**, 37, 83-93	8.9	55
79	Preconcentration and trace determination of copper (II) in Thai food recipes using FeO@Chi-GQDs nanocomposites as a new magnetic adsorbent. *Food Chemistry*, **2017**, 230, 388-397	8.5	45
78	Enzymatic changes in phenylalanine ammonia-lyase, cinnamic-4-hydroxylase, capsaicin synthase, and peroxidase activities in capsicum under drought stress. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 7057-62	5.7	44
77	Enhanced photocatalytic degradation of methylene blue using Fe2O3/graphene/CuO nanocomposites under visible light. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103438	6.8	42
76	Impact of Drought Stress on the Accumulation of Capsaicinoids in Capsicum Cultivars with Different Initial Capsaicinoid Levels. *Hortscience: A Publication of the American Society for Hortcultural Science*, **2012**, 47, 1204-1209	2.4	42
75	A novel extraction method for β-carotene and other carotenoids in fruit juices using air-assisted, low-density solvent-based liquid-liquid microextraction and solidified floating organic droplets. *Food Chemistry*, **2016**, 203, 386-393	8.5	36
74	An iodine supplementation of tomato fruits coated with an edible film of the iodide-doped chitosan. *Food Chemistry*, **2016**, 200, 223-9	8.5	29
73	Studies on Thermal Denaturation of Fish Myoglobins using Differential Scanning Calorimetry, Circular Dichroism, and Tryptophan Fluorescence. *Fisheries Science*, **1996**, 62, 927-932	1.9	27
72	A fluorescence switching sensor based on graphene quantum dots decorated with Hg2+ and hydrolyzed thioacetamide for highly Ag+-sensitive and selective detection. *RSC Advances*, **2017**, 7, 48058-48067	3.7	26
71	A high correlation indicating for an evaluation of antioxidant activity and total phenolics content of various chilli varieties. *Journal of Food Science and Technology*, **2015**, 52, 8077-85	3.3	26
70	Feasibility of hard acid–base affinity for the pronounced adsorption capacity of manganese(II) using amino-functionalized graphene oxide. *RSC Advances*, **2018**, 8, 4162-4171	3.7	22
69	Ultrasonic-assisted recycling of Nile tilapia fish scale biowaste into low-cost nano-hydroxyapatite: Ultrasonic-assisted adsorption for Hg removal from aqueous solution followed by "turn-off" fluorescent sensor based on Hg-graphene quantum dots. *Ultrasonics Sonochemistry*, **2020**, 63, 104966	8.9	21

68	Ultra-trace determination of Pb(II) and Cd(II) in drinking water and alcoholic beverages using homogeneous liquid-liquid extraction followed by flame atomic absorption spectrometry. *Chemical Papers*, **2014**, 68,	1.9	21
67	Determination of Capsaicin and Dihydrocapsaicin in Some Chilli Varieties using Accelerated Solvent Extraction Associated with Solid-Phase Extraction Methods and RP-HPLC-Fluorescence. *E-Journal of Chemistry*, **2012**, 9, 1550-1561		19
66	Influence of extraction methodologies on the analysis of five major volatile aromatic compounds of citronella grass (Cymbopogon nardus) and lemongrass (Cymbopogon citratus) grown in Thailand. *Journal of AOAC INTERNATIONAL*, **2012**, 95, 763-72	1.7	19
65	GSH-doped GQDs using citric acid rich-lime oil extract for highly selective and sensitive determination and discrimination of Fe and Fe in the presence of HO by a fluorescence "turn-off" sensor.. *RSC Advances*, **2018**, 8, 10148-10157	3.7	16
64	Evaluation of the effect of genotype-by-environment interaction on capsaicinoid production in hot pepper hybrids (Capsicum chinense Jacq.) under controlled environment. *Scientia Horticulturae*, **2018**, 235, 334-339	4.1	16
63	Ultrasound-assisted emulsification microextraction coupled with salt-induced demulsification based on solidified floating organic drop prior to HPLC determination of Sudan dyes in chili products. *Arabian Journal of Chemistry*, **2019**, 12, 5223-5233	5.9	16
62	The use of SO and HO as novel specific masking agents for highly selective "turn-on" fluorescent switching recognition of CN and I based on Hg-graphene quantum dots.. *RSC Advances*, **2018**, 8, 1407-1417	3.7	15
61	Thermodynamic and kinetic study of the intrinsic adsorption capacity of graphene oxide for malachite green removal from aqueous solution. *Oriental Journal of Chemistry*, **2014**, 30, 1463-1474	0.8	15
60	Adsorption Capacity of The As-Synthetic Graphene Oxide for The Removal of Alizarin Red S Dye from Aqueous Solution. *Oriental Journal of Chemistry*, **2016**, 32, 1399-1410	0.8	15
59	Resonance light scattering sensor of the metal complex nanoparticles using diethyl dithiocarbamate doped graphene quantum dots for highly Pb(II)-sensitive detection in water sample. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 207, 79-87	4.4	15
58	Using bio-dispersive solution of chitosan for green dispersive liquid-liquid microextraction of trace amounts of Cu(II) in edible oils prior to analysis by ICP-OES. *Food Chemistry*, **2017**, 230, 398-404	8.5	14
57	Core-shell SiO2 -coated Fe3 O4 with a surface molecularly imprinted polymer coating of folic acid and its applicable magnetic solid-phase extraction prior to determination of folates in tomatoes. *Journal of Separation Science*, **2016**, 39, 3037-45	3.4	14
56	Green and facile synthesis of water-soluble carbon dots from ethanolic shallot extract for chromium ion sensing in milk, fruit juices, and wastewater samples.. *RSC Advances*, **2020**, 10, 20638-20645	3.7	12
55	Bioactive properties and chemical constituents of methanolic extract and its fractions from Jatropha curcas oil. *Industrial Crops and Products*, **2012**, 36, 437-444	5.9	11
54	New approach applying a pet fish air pump in liquid-phase microextraction for the determination of Sudan dyes in food samples by HPLC. *Journal of Separation Science*, **2017**, 40, 3848-3856	3.4	11
53	CHEMICAL COMPOSITIONS AND NON-ENZYMATIC BROWNING COMPOUNDS OF THAI HONEY: A KINETIC STUDY. *Journal of Food Process Engineering*, **2011**, 34, 1584-1596	2.4	11
52	Ion Chromatographic Analysis of Monosaccharides and Disaccharides in Raw Sugar. *Chromatographia*, **2015**, 78, 873-879	2.1	9
51	A Fluorescence Switching Sensor for Sensitive and Selective Detections of Cyanide and Ferricyanide Using Mercuric Cation-Graphene Quantum Dots. *ACS Omega*, **2021**, 6, 14379-14393	3.9	9

50	Optimised separation procedures for the simultaneous assay of three plant hormones in liquid biofertilisers. *Phytochemical Analysis*, **2010**, 21, 157-62	3.4	8
49	Studies on Thermal Denaturation of Fish Apomyoglobins using Differential Scanning Calorimetry, Circular Dichroism, and Fluorescence. *Fisheries Science*, **1996**, 62, 933-937	1.9	8
48	A Highly Sensitive and Selective Method for the Determination of an Iodate in Table-salt Samples Using Malachite Green-based Spectrophotometry. *Analytical Sciences*, **2016**, 32, 1231-1236	1.7	8
47	Fe2O3-graphene anchored Ag nanocomposite catalyst for enhanced sonocatalytic degradation of methylene blue. *Journal of the Korean Ceramic Society*, **2021**, 58, 297-306	2.2	8
46	Inhibitory Reactivity of Capsaicin with □Amylase and □Glucosidase Related to Antidiabetes using Molecular Docking and Quantum Calculation Methods. *Oriental Journal of Chemistry*, **2018**, 34, 2211-2228	0.8	8
45	Electrolyte-assisted microemulsion breaking in vortex-agitated solidified floating organic drop microextraction for preconcentration and analysis of Sudan dyes in chili products. *Analytical Methods*, **2017**, 9, 3810-3818	3.2	7
44	Ultra-trace determination of Hg(II) in drinking water and local Thai liquors using homogeneous liquid□liquid extraction followed by fluorescence quenching of its ternary complex. *Analytical Methods*, **2013**, 5, 987-997	3.2	7
43	Novel flexible Ag nanoparticles doped on graphene □Ba2GaInO6 as cathode material for enhancement in the power conversion of DSSCs. *Solar Energy*, **2019**, 180, 510-518	6.8	6
42	Simultaneous determination of Hg(II) and Cu(II) in water samples using fluorescence quenching sensor of N-doped and N,K co-doped graphene quantum dots. *Arabian Journal of Chemistry*, **2020**, 13, 3714-3723	5.9	6
41	Adsorption of Functionalized Thiol-Graphene Oxide for Removal of Mercury from Aqueous Solution. *Asian Journal of Chemistry*, **2015**, 27, 4167-4170	0.4	6
40	The effect of surfactant on headspace single drop microextraction for the determination of some volatile aroma compounds in citronella grass and lemongrass leaves by gas chromatography. *Analytical Methods*, **2012**, 4, 421-428	3.2	6
39	. *ScienceAsia*, **2008**, 34, 287	1.4	6
38	Spectrophotometric Determination of Trace Cyanide in Fruit Wines by the Catalytic Reaction of Ninhydrin following Micro-distillation. *Oriental Journal of Chemistry*, **2014**, 30, 119-148	0.8	5
37	Removal of Hg(II) from Aqueous Solution Using Graphene Oxide as Highly Potential Adsorbent. *Asian Journal of Chemistry*, **2014**, 26, S85-S88	0.4	5
36	Characterization of Hydroxyapatite Nanoparticles from Fish Scale Waste and Its Adsorption of Carotenoids. *Asian Journal of Chemistry*, **2013**, 25, 5847-5850	0.4	5
35	Effect of Heating on Autoxidation Rate of Fish Holo-and Reconstituted Myoglobins. *Fisheries Science*, **1998**, 64, 574-577	1.9	5
34	Headspace-single drop microextraction followed by gas chromatographic determination of key aroma compounds in tomato fruits and their sample products. *Oriental Journal of Chemistry*, **2016**, 32, 1271-1282	0.8	5
33	A novel bead synthesis of the Chiron-sodium dodecyl sulfate hydrogel and its kinetics-thermodynamics study of superb adsorption of alizarin red S from aqueous solution. *Journal of Polymer Research*, **2019**, 26, 1	2.7	5

32	Highly efficient ultrasonic-assisted preconcentration of trace amounts of Ag(I), Pb(II), and Cd(II) ions using 3-mercaptopropyl trimethoxysilane-functionalized graphene oxide□magnetic nanoparticles. *Journal of the Korean Ceramic Society*, **2021**, 58, 314-329	2.2	5
31	Reversed Phase Chromatographic Analysis of 13 Amino Acids in Honey Samples. *Chromatographia*, **2015**, 78, 923-927	2.1	4
30	Determination of □carotene and total carotenoids in fruit juices using surfactant surface decorated graphene oxide based ultrasound-assisted dispersive solid-phase microextraction. *Analytical Methods*, **2018**, 10, 3540-3551	3.2	4
29	The Effect of Inorganic and Organic Pre-reducing Agents on Selenium Analysis in Tomato Sample using Microwave-Assisted Digestion Followed by FI-HGAAS. *Oriental Journal of Chemistry*, **2015**, 31, 171-176	0.8	4
28	Studies on Thermal Denaturation Profiles of Holoand Reconstituted Myoglobins from Bonito and Sperm Whale. *Fisheries Science*, **1998**, 64, 411-414	1.9	4
27	Changes in Light Scattering Intensity of Fish Holo-, Apo- and Reconstituted Myoglobins under Thermal Denaturation. *Fisheries Science*, **1998**, 64, 846-847	1.9	4
26	Ultrasound-irradiated synthesis of 3-mercaptopropyl trimethoxysilane-modified hydroxyapatite derived from fish-scale residues followed by ultrasound-assisted organic dyes removal. *Scientific Reports*, **2021**, 11, 5560	4.9	4
25	Sono-synthesized Fe3O4□ONH2 nanocomposite for highly efficient ultrasound-assisted magnetic dispersive solid-phase microextraction of hazardous dye Congo red from water samples. *Journal of the Korean Ceramic Society*, **2021**, 58, 201-211	2.2	4
24	Phenolics and Ascorbic Acid Related to Antioxidant Activity of MaoFruit Juice and Their Thermal Stability Study (Review Article). *Oriental Journal of Chemistry*, **2017**, 33, 74-86	0.8	3
23	A simple, efficient and economic method for obtaining iodate-rich chili pepper based chitosan edible thin film. *Journal of Food Science and Technology*, **2018**, 55, 3263-3272	3.3	3
22	Optimization Study of Graphene Oxide Synthesis with Improvement of C/O Ratio. *Asian Journal of Chemistry*, **2014**, 26, 1321-1323	0.4	3
21	Ultratrace Detection of Nickel(II) Ions in Water Samples Using Dimethylglyoxime-Doped GQDs as the Induced Metal Complex Nanoparticles by a Resonance Light Scattering Sensor. *ACS Omega*, **2021**, 6, 14796-14805	3.9	3
20	Efficiency enhancement of slow release of fertilizer using nanozeolite□hitosan/sago starch-based biopolymer composite **2021**, 18, 1321-1332		3
19	Mild Acid Ultrasonic Assisted Extraction of Arsenic Residues in Different Parts of Hot Chilli Prior to Ultra-Trace Determination by Flow Injection-Hydride Generation Atomic Absorption Spectrometry. *Oriental Journal of Chemistry*, **2017**, 33, 2347-2355	0.8	2
18	Isolation of heat-tolerant myoglobin from Asian swamp eel Monopterus albus. *Fish Physiology and Biochemistry*, **2012**, 38, 1533-43	2.7	2
17	Fluorescent Labeling of Silica Gel Powder using Zingiber Montanum Extract fora Bright Latent Fingerprint Detection under UV Light. *Oriental Journal of Chemistry*, **2021**, 37, 541-546	0.8	2
16	Using Thermolytic Solution of Anionic - Decorated Gqds as Fluorescence Turn on-off Sensor for Selective Screening Test of Metal Ions. *Oriental Journal of Chemistry*, **2018**, 34, 55-63	0.8	2
15	Diethyldithiocarbamate Doped Graphene Quantum Dots Based Metal Complex Nanoparticles by Resonance Light Scattering for Green Detection of Lead (II) □A Review. *Oriental Journal of Chemistry*, **2018**, 34, 623-630	0.8	2

14	Chemo-Electrical Gas Sensors Based on LaNiMoSe2 in Graphene and Conducting Polymer PANI Composite Semiconductor Nanocomposite. *Journal of Electronic Materials*, **2021**, 50, 5754-5764	1.9	2
13	Effect of boron addition on the phase-transition temperature of CoPt-B nanoparticles synthesized by sol–gel autocombustion using sago starch as a chelating agent. *Journal of the Korean Ceramic Society*, **2020**, 57, 385-391	2.2	1
12	Adsorptive Removal of Manganese (II) from Aqueous Solution using Graphene Oxide: A Kinetics and Thermodynamics Study. *Oriental Journal of Chemistry*, **2017**, 33, 1899-1904	0.8	1
11	Antioxidant and Antibacterial Activities of Biosynthesized Silver Nanoparticles using Aqueous Terminalia catappa Leaf Extracts as Novel Reducing Agent. *Asian Journal of Chemistry*, **2020**, 32, 2079-2083	0.4	1
10	Selective Fe(ii)-fluorescence sensor with validated two-consecutive working range using N,S,I-GQDs associated with garlic extract as an auxiliary green chelating agent. *RSC Advances*, **2022**, 12, 14356-14367	3.7	1
9	Microwave-assisted synthesis of Ag/ZnO nanoparticles using Averrhoa carambola fruit extract as the reducing agent and their application in cotton fabrics with antibacterial and UV-protection properties. *RSC Advances*, **2022**, 12, 15008-15019	3.7	1
8	Role of Cetyltrimethyl Ammonium Bromide on Enhanced Adsorption and Removal of Alizarin Red S using Amino-Functionalized Graphene Oxide. *Oriental Journal of Chemistry*, **2017**, 33, 2920-2929	0.8	0
7	Antibacterial Activity of Borassus flabellifer Vinegar-Graphene Quantum Dots Against Gram-Positive and Gram-Negative Bacteria. *Asian Journal of Chemistry*, **2021**, 33, 2662-2666	0.4	0
6	Effect of Zn, Ni, and Mn doping ions on magnetic properties of MFe2O4 (M = Mn, Zn, and Ni) nanoparticles synthesized via sol–gel autocombustion using PVA/sago starch blend as a chelating agent. *Journal of the Korean Ceramic Society*, **2020**, 57, 676-683	2.2	0
5	Feasibility of Micellar Surface Charge Decoration of Graphene Oxide with Surfactants and Oils as Adsorbents for Natural and Synthetic Pigments (A Review). *Oriental Journal of Chemistry*, **2018**, 34, 1198-1212	0.8	
4	Ultra-Trace Determination of Methyl Carbamate and Ethyl Carbamate in Local Wines by GC-FID Following Pre concentration with C18-SPE. *Oriental Journal of Chemistry*, **2014**, 30, 1021-1029	0.8	
3	Green Synthesis, Characterization, Antioxidant, Antibacterial and Dye Degradation of Silver Nanoparticles using Combretum indicum Leaf Extract. *Asian Journal of Chemistry*, **2021**, 34, 216-222	0.4	
2	Purification, Peptide Mapping and Spectroscopic Characterization of Myoglobin from Striped Snake-Head Fish (Ophicephalusstriatus). *Oriental Journal of Chemistry*, **2016**, 32, 181-194	0.8	
1	Effect of Carboxymethyl Cellulose Concentration on Structural, Morphological and Magnetic Properties of Barium Hexaferrite: A Study Based on Sol-Gel Auto-Combustion Method. *Asian Journal of Chemistry*, **2022**, 34, 1113-1118	0.4	