

Saksit Chanthai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Effect of Carboxymethyl Cellulose Concentration on Structural, Morphological and Magnetic Properties of Barium Hexaferrite: A Study Based on Sol-Gel Auto-Combustion Method. <i>Asian Journal of Chemistry</i> , 2022 , 34, 1113-1118	0.4	
84	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. <i>RSC Advances</i> , 2022 , 12, 14356-14367	3.7	1
83	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. <i>RSC Advances</i> , 2022 , 12, 15008-15019	3.7	1
82	Green Synthesis, Characterization, Antioxidant, Antibacterial and Dye Degradation of Silver Nanoparticles using Combretum indicum Leaf Extract. <i>Asian Journal of Chemistry</i> , 2021 , 34, 216-222	0.4	
81	Antibacterial Activity of Borassus flabellifer Vinegar-Graphene Quantum Dots Against Gram-Positive and Gram-Negative Bacteria. <i>Asian Journal of Chemistry</i> , 2021 , 33, 2662-2666	0.4	0
80	Ultrasound-irradiated synthesis of 3-mercaptopropyl trimethoxysilane-modified hydroxyapatite derived from fish-scale residues followed by ultrasound-assisted organic dyes removal. <i>Scientific Reports</i> , 2021 , 11, 5560	4.9	4
79	A Fluorescence Switching Sensor for Sensitive and Selective Detections of Cyanide and Ferricyanide Using Mercuric Cation-Graphene Quantum Dots. <i>ACS Omega</i> , 2021 , 6, 14379-14393	3.9	9
78	Fluorescent Labeling of Silica Gel Powder using Zingiber Montanum Extract for a Bright Latent Fingerprint Detection under UV Light. <i>Oriental Journal of Chemistry</i> , 2021 , 37, 541-546	0.8	2
77	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. <i>ACS Omega</i> , 2021 , 6, 14796-14805	3.9	3
76	Fe ₂ O ₃ -graphene anchored Ag nanocomposite catalyst for enhanced sonocatalytic degradation of methylene blue. <i>Journal of the Korean Ceramic Society</i> , 2021 , 58, 297-306	2.2	8
75	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. <i>Journal of the Korean Ceramic Society</i> , 2021 , 58, 314-329	2.2	5
74	Sono-synthesized Fe ₃ O ₄ @NH ₂ nanocomposite for highly efficient ultrasound-assisted magnetic dispersive solid-phase microextraction of hazardous dye Congo red from water samples. <i>Journal of the Korean Ceramic Society</i> , 2021 , 58, 201-211	2.2	4
73	Chemo-Electrical Gas Sensors Based on LaNiMoSe ₂ in Graphene and Conducting Polymer PANI Composite Semiconductor Nanocomposite. <i>Journal of Electronic Materials</i> , 2021 , 50, 5754-5764	1.9	2
72	Efficiency enhancement of slow release of fertilizer using nanozeolite-chitosan/sago starch-based biopolymer composite 2021 , 18, 1321-1332		3
71	Green and facile synthesis of water-soluble carbon dots from ethanolic shallot extract for chromium ion sensing in milk, fruit juices, and wastewater samples.. <i>RSC Advances</i> , 2020 , 10, 20638-20645	3.7	12
70	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. <i>Journal of the Korean Ceramic Society</i> , 2020 , 57, 385-391	2.2	1
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. <i>Ultrasonics Sonochemistry</i> , 2020 , 63, 104966	8.9	21

68	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. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 3714-3723	5.9	6
67	Antioxidant and Antibacterial Activities of Biosynthesized Silver Nanoparticles using Aqueous Terminalia catappa Leaf Extracts as Novel Reducing Agent. <i>Asian Journal of Chemistry</i> , 2020 , 32, 2079-2083	0.4	1
66	Effect of Zn, Ni, and Mn doping ions on magnetic properties of MFe ₂ O ₄ (M = Mn, Zn, and Ni) nanoparticles synthesized via sol-gel autocombustion using PVA/sago starch blend as a chelating agent. <i>Journal of the Korean Ceramic Society</i> , 2020 , 57, 676-683	2.2	0
65	Novel flexible Ag nanoparticles doped on graphene/Ba ₂ GaInO ₆ as cathode material for enhancement in the power conversion of DSSCs. <i>Solar Energy</i> , 2019 , 180, 510-518	6.8	6
64	Enhanced photocatalytic degradation of methylene blue using Fe ₂ O ₃ /graphene/CuO nanocomposites under visible light. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103438	6.8	42
63	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. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	5
62	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 207, 79-87	4.4	15
61	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. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 5223-5233	5.9	16
60	Feasibility of hard acid-Base affinity for the pronounced adsorption capacity of manganese(II) using amino-functionalized graphene oxide. <i>RSC Advances</i> , 2018 , 8, 4162-4171	3.7	22
59	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.. <i>RSC Advances</i> , 2018 , 8, 1407-1417	3.7	15
58	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.. <i>RSC Advances</i> , 2018 , 8, 10148-10157	3.7	16
57	Evaluation of the effect of genotype-by-environment interaction on capsaicinoid production in hot pepper hybrids (Capsicum chinense Jacq.) under controlled environment. <i>Scientia Horticulturae</i> , 2018 , 235, 334-339	4.1	16
56	A simple, efficient and economic method for obtaining iodate-rich chili pepper based chitosan edible thin film. <i>Journal of Food Science and Technology</i> , 2018 , 55, 3263-3272	3.3	3
55	Determination of β -carotene and total carotenoids in fruit juices using surfactant surface decorated graphene oxide based ultrasound-assisted dispersive solid-phase microextraction. <i>Analytical Methods</i> , 2018 , 10, 3540-3551	3.2	4
54	Feasibility of Micellar Surface Charge Decoration of Graphene Oxide with Surfactants and Oils as Adsorbents for Natural and Synthetic Pigments (A Review). <i>Oriental Journal of Chemistry</i> , 2018 , 34, 1198-1212	0.8	12
53	Inhibitory Reactivity of Capsaicin with α -Amylase and β -Glucosidase Related to Antidiabetes using Molecular Docking and Quantum Calculation Methods. <i>Oriental Journal of Chemistry</i> , 2018 , 34, 2211-2228	0.8	8
52	Using Thermolytic Solution of Anionic - Decorated Gqds as Fluorescence Turn on-off Sensor for Selective Screening Test of Metal Ions. <i>Oriental Journal of Chemistry</i> , 2018 , 34, 55-63	0.8	2
51	Diethyldithiocarbamate Doped Graphene Quantum Dots Based Metal Complex Nanoparticles by Resonance Light Scattering for Green Detection of Lead (II) A Review. <i>Oriental Journal of Chemistry</i> , 2018 , 34, 623-630	0.8	2

50	Electrolyte-assisted microemulsion breaking in vortex-agitated solidified floating organic drop microextraction for preconcentration and analysis of Sudan dyes in chili products. <i>Analytical Methods</i> , 2017 , 9, 3810-3818	3.2	7
49	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. <i>Food Chemistry</i> , 2017 , 230, 398-404	8.5	14
48	Preconcentration and trace determination of copper (II) in Thai food recipes using FeO@Chi-GQDs nanocomposites as a new magnetic adsorbent. <i>Food Chemistry</i> , 2017 , 230, 388-397	8.5	45
47	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. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 83-93	8.9	55
46	A fluorescence switching sensor based on graphene quantum dots decorated with Hg ²⁺ and hydrolyzed thioacetamide for highly Ag ⁺ -sensitive and selective detection. <i>RSC Advances</i> , 2017 , 7, 48058-48067	3.7	26
45	Role of Cetyltrimethyl Ammonium Bromide on Enhanced Adsorption and Removal of Alizarin Red S using Amino-Functionalized Graphene Oxide. <i>Oriental Journal of Chemistry</i> , 2017 , 33, 2920-2929	0.8	0
44	Phenolics and Ascorbic Acid Related to Antioxidant Activity of MaoFruit Juice and Their Thermal Stability Study (Review Article). <i>Oriental Journal of Chemistry</i> , 2017 , 33, 74-86	0.8	3
43	Adsorptive Removal of Manganese (II) from Aqueous Solution using Graphene Oxide: A Kinetics and Thermodynamics Study. <i>Oriental Journal of Chemistry</i> , 2017 , 33, 1899-1904	0.8	1
42	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. <i>Oriental Journal of Chemistry</i> , 2017 , 33, 2347-2355	0.8	2
41	New approach applying a pet fish air pump in liquid-phase microextraction for the determination of Sudan dyes in food samples by HPLC. <i>Journal of Separation Science</i> , 2017 , 40, 3848-3856	3.4	11
40	Phytochemicals in Capsicum oleoresin from different varieties of hot chilli peppers with their antidiabetic and antioxidant activities due to some phenolic compounds. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 629-639	8.9	62
39	An iodine supplementation of tomato fruits coated with an edible film of the iodide-doped chitosan. <i>Food Chemistry</i> , 2016 , 200, 223-9	8.5	29
38	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. <i>Food Chemistry</i> , 2016 , 203, 386-393	8.5	36
37	Purification, Peptide Mapping and Spectroscopic Characterization of Myoglobin from Striped Snake-Head Fish (<i>Ophicephalus striatus</i>). <i>Oriental Journal of Chemistry</i> , 2016 , 32, 181-194	0.8	
36	Headspace-single drop microextraction followed by gas chromatographic determination of key aroma compounds in tomato fruits and their sample products. <i>Oriental Journal of Chemistry</i> , 2016 , 32, 1271-1282	0.8	5
35	Adsorption Capacity of The As-Synthetic Graphene Oxide for The Removal of Alizarin Red S Dye from Aqueous Solution. <i>Oriental Journal of Chemistry</i> , 2016 , 32, 1399-1410	0.8	15
34	Core-shell SiO ₂ -coated Fe ₃ O ₄ with a surface molecularly imprinted polymer coating of folic acid and its applicable magnetic solid-phase extraction prior to determination of folates in tomatoes. <i>Journal of Separation Science</i> , 2016 , 39, 3037-45	3.4	14
33	A Highly Sensitive and Selective Method for the Determination of an Iodate in Table-salt Samples Using Malachite Green-based Spectrophotometry. <i>Analytical Sciences</i> , 2016 , 32, 1231-1236	1.7	8

32	Visible light-driven photocatalytic degradation of rhodamine B and industrial dyes (texbrite BAC-L and texbrite NFW-L) by ZnO-graphene-TiO ₂ composite. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 2170-2177	6.8	59
31	Sonocatalytic performance of ZnO/graphene/TiO ₂ nanocomposite for degradation of dye pollutants (methylene blue, texbrite BAC-L, texbrite BBU-L and texbrite NFW-L) under ultrasonic irradiation. <i>Dyes and Pigments</i> , 2016 , 134, 487-497	4.6	84
30	A high correlation indicating for an evaluation of antioxidant activity and total phenolics content of various chilli varieties. <i>Journal of Food Science and Technology</i> , 2015 , 52, 8077-85	3.3	26
29	Ion Chromatographic Analysis of Monosaccharides and Disaccharides in Raw Sugar. <i>Chromatographia</i> , 2015 , 78, 873-879	2.1	9
28	Reversed Phase Chromatographic Analysis of 13 Amino Acids in Honey Samples. <i>Chromatographia</i> , 2015 , 78, 923-927	2.1	4
27	Adsorption of Functionalized Thiol-Graphene Oxide for Removal of Mercury from Aqueous Solution. <i>Asian Journal of Chemistry</i> , 2015 , 27, 4167-4170	0.4	6
26	The Effect of Inorganic and Organic Pre-reducing Agents on Selenium Analysis in Tomato Sample using Microwave-Assisted Digestion Followed by FI-HGAAS. <i>Oriental Journal of Chemistry</i> , 2015 , 31, 171-176	0.8	4
25	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. <i>Chemical Papers</i> , 2014 , 68,	1.9	21
24	Enzymatic changes in phenylalanine ammonia-lyase, cinnamic-4-hydroxylase, capsaicin synthase, and peroxidase activities in capsicum under drought stress. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 7057-62	5.7	44
23	Spectrophotometric Determination of Trace Cyanide in Fruit Wines by the Catalytic Reaction of Ninhydrin following Micro-distillation. <i>Oriental Journal of Chemistry</i> , 2014 , 30, 119-148	0.8	5
22	Optimization Study of Graphene Oxide Synthesis with Improvement of C/O Ratio. <i>Asian Journal of Chemistry</i> , 2014 , 26, 1321-1323	0.4	3
21	Thermodynamic and kinetic study of the intrinsic adsorption capacity of graphene oxide for malachite green removal from aqueous solution. <i>Oriental Journal of Chemistry</i> , 2014 , 30, 1463-1474	0.8	15
20	Ultra-Trace Determination of Methyl Carbamate and Ethyl Carbamate in Local Wines by GC-FID Following Pre concentration with C18-SPE. <i>Oriental Journal of Chemistry</i> , 2014 , 30, 1021-1029	0.8	
19	Removal of Hg(II) from Aqueous Solution Using Graphene Oxide as Highly Potential Adsorbent. <i>Asian Journal of Chemistry</i> , 2014 , 26, S85-S88	0.4	5
18	Nanocrystalline hydroxyapatite from fish scale waste: Preparation, characterization and application for selenium adsorption in aqueous solution. <i>Chemical Engineering Journal</i> , 2013 , 215-216, 522-532	14.7	149
17	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. <i>Analytical Methods</i> , 2013 , 5, 987-997	3.2	7
16	Characterization of Hydroxyapatite Nanoparticles from Fish Scale Waste and Its Adsorption of Carotenoids. <i>Asian Journal of Chemistry</i> , 2013 , 25, 5847-5850	0.4	5
15	Bioactive properties and chemical constituents of methanolic extract and its fractions from <i>Jatropha curcas</i> oil. <i>Industrial Crops and Products</i> , 2012 , 36, 437-444	5.9	11

14	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. <i>Analytical Methods</i> , 2012 , 4, 421-428	3.2	6
13	Isolation of heat-tolerant myoglobin from Asian swamp eel <i>Monopterus albus</i> . <i>Fish Physiology and Biochemistry</i> , 2012 , 38, 1533-43	2.7	2
12	Determination of Capsaicin and Dihydrocapsaicin in Some Chilli Varieties using Accelerated Solvent Extraction Associated with Solid-Phase Extraction Methods and RP-HPLC-Fluorescence. <i>E-Journal of Chemistry</i> , 2012 , 9, 1550-1561		19
11	Influence of extraction methodologies on the analysis of five major volatile aromatic compounds of citronella grass (<i>Cymbopogon nardus</i>) and lemongrass (<i>Cymbopogon citratus</i>) grown in Thailand. <i>Journal of AOAC INTERNATIONAL</i> , 2012 , 95, 763-72	1.7	19
10	Impact of Drought Stress on the Accumulation of Capsaicinoids in Capsicum Cultivars with Different Initial Capsaicinoid Levels. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012 , 47, 1204-1209	2.4	42
9	CHEMICAL COMPOSITIONS AND NON-ENZYMATIC BROWNING COMPOUNDS OF THAI HONEY: A KINETIC STUDY. <i>Journal of Food Process Engineering</i> , 2011 , 34, 1584-1596	2.4	11
8	Preparation of activated carbon derived from <i>Jatropha curcas</i> fruit shell by simple thermo-chemical activation and characterization of their physico-chemical properties. <i>Chemical Engineering Research and Design</i> , 2011 , 89, 335-340	5.5	179
7	Optimised separation procedures for the simultaneous assay of three plant hormones in liquid biofertilisers. <i>Phytochemical Analysis</i> , 2010 , 21, 157-62	3.4	8
6	. <i>ScienceAsia</i> , 2008 , 34, 287	1.4	6
5	Studies on Thermal Denaturation Profiles of Holoand Reconstituted Myoglobins from Bonito and Sperm Whale. <i>Fisheries Science</i> , 1998 , 64, 411-414	1.9	4
4	Effect of Heating on Autoxidation Rate of Fish Holo-and Reconstituted Myoglobins. <i>Fisheries Science</i> , 1998 , 64, 574-577	1.9	5
3	Changes in Light Scattering Intensity of Fish Holo-, Apo- and Reconstituted Myoglobins under Thermal Denaturation. <i>Fisheries Science</i> , 1998 , 64, 846-847	1.9	4
2	Studies on Thermal Denaturation of Fish Myoglobins using Differential Scanning Calorimetry, Circular Dichroism, and Tryptophan Fluorescence. <i>Fisheries Science</i> , 1996 , 62, 927-932	1.9	27
1	Studies on Thermal Denaturation of Fish Apomyoglobins using Differential Scanning Calorimetry, Circular Dichroism, and Fluorescence. <i>Fisheries Science</i> , 1996 , 62, 933-937	1.9	8