AsstProfDrPrawit Nuengmatcha

List of Publications by Year in Descending Order

41 papers	514 citations	13 h-index	22 g-index
42 ext. papers	664 ext. citations	2.7 avg, IF	4.39 L-index

#	Paper	IF	Citations
41	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	
40	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
39	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
38	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	
37	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
36	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
35	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
34	Mercapto-Functionalized Magnetic Graphene Quantum Dots as Adsorbent for Cd2+ Removal from Wastewater. *Environmental Processes*, **2021**, 8, 1289-1306	2.8	2
33	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
32	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
31	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
30	Sono-synthesized Fe3O4□GO□NH2 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
29	Efficiency enhancement of slow release of fertilizer using nanozeolite□chitosan/sago starch-based biopolymer composite **2021**, 18, 1321-1332		3
28	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
27	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
26	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
25	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

24	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
23	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
22	Simultaneous Detection of Pb(II) and Cd(II) Ions in Noodle Soup Samples using Square Wave Anodic Stripping Voltammetry. *Oriental Journal of Chemistry*, **2019**, 35, 807-812	0.8	1
21	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
20	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
19	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
18	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
17	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	
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	Simple and Selective Naked-Eye and visual Detection of Cu2+ and Al3+ Ions using Hibiscus Rosa-Sinensis Linn flower Extract. *Oriental Journal of Chemistry*, **2018**, 34, 188-195	0.8	3
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	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

6	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
5	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
4	Adsorption of Functionalized Thiol-Graphene Oxide for Removal of Mercury from Aqueous Solution. *Asian Journal of Chemistry*, **2015**, 27, 4167-4170	0.4	6
3	Optimization Study of Graphene Oxide Synthesis with Improvement of C/O Ratio. *Asian Journal of Chemistry*, **2014**, 26, 1321-1323	0.4	3
2	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
1	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