

# AsstProfDrPrawit Nuengmatcha

## List of Publications by Citations

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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	Sonocatalytic performance of ZnO/graphene/TiO <sub>2</sub> 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> , <b>2016</b> , 134, 487-497	4.6	84
40	Visible light-driven photocatalytic degradation of rhodamine B and industrial dyes (texbrite BAC-L and texbrite NFW-L) by ZnO-graphene-TiO <sub>2</sub> composite. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 2170-2177	6.8	59
39	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> , <b>2017</b> , 37, 83-93	8.9	55
38	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> , <b>2017</b> , 230, 388-397	8.5	45
37	Enhanced photocatalytic degradation of methylene blue using Fe <sub>2</sub> O <sub>3</sub> /graphene/CuO nanocomposites under visible light. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103438	6.8	42
36	A fluorescence switching sensor based on graphene quantum dots decorated with Hg <sup>2+</sup> and hydrolyzed thioacetamide for highly Ag <sup>+</sup> -sensitive and selective detection. <i>RSC Advances</i> , <b>2017</b> , 7, 48058-48067	3.7	26
35	Feasibility of hard acid/base affinity for the pronounced adsorption capacity of manganese(II) using amino-functionalized graphene oxide. <i>RSC Advances</i> , <b>2018</b> , 8, 4162-4171	3.7	22
34	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> , <b>2020</b> , 63, 104966	8.9	21
33	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> , <b>2018</b> , 8, 10148-10157	3.7	16
32	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> , <b>2018</b> , 8, 1407-1417	3.7	15
31	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> , <b>2014</b> , 30, 1463-1474	0.8	15
30	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> , <b>2016</b> , 32, 1399-1410	0.8	15
29	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> , <b>2019</b> , 207, 79-87	4.4	15
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.. <i>RSC Advances</i> , <b>2020</b> , 10, 20638-20645	3.7	12
27	A Fluorescence Switching Sensor for Sensitive and Selective Detections of Cyanide and Ferricyanide Using Mercuric Cation-Graphene Quantum Dots. <i>ACS Omega</i> , <b>2021</b> , 6, 14379-14393	3.9	9
26	Fe <sub>2</sub> O <sub>3</sub> -graphene anchored Ag nanocomposite catalyst for enhanced sonocatalytic degradation of methylene blue. <i>Journal of the Korean Ceramic Society</i> , <b>2021</b> , 58, 297-306	2.2	8
25	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> , <b>2017</b> , 9, 3810-3818	3.2	7

24	Adsorption of Functionalized Thiol-Graphene Oxide for Removal of Mercury from Aqueous Solution. <i>Asian Journal of Chemistry</i> , <b>2015</b> , 27, 4167-4170	0.4	6
23	Removal of Hg(II) from Aqueous Solution Using Graphene Oxide as Highly Potential Adsorbent. <i>Asian Journal of Chemistry</i> , <b>2014</b> , 26, S85-S88	0.4	5
22	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> , <b>2021</b> , 58, 314-329	2.2	5
21	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> , <b>2021</b> , 11, 5560	4.9	4
20	Sono-synthesized Fe <sub>3</sub> O <sub>4</sub> @ONH <sub>2</sub> 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> , <b>2021</b> , 58, 201-211	2.2	4
19	Optimization Study of Graphene Oxide Synthesis with Improvement of C/O Ratio. <i>Asian Journal of Chemistry</i> , <b>2014</b> , 26, 1321-1323	0.4	3
18	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> , <b>2021</b> , 6, 14796-14805	3.9	3
17	Simple and Selective Naked-Eye and visual Detection of Cu <sup>2+</sup> and Al <sup>3+</sup> Ions using Hibiscus Rosa-Sinensis Linn flower Extract. <i>Oriental Journal of Chemistry</i> , <b>2018</b> , 34, 188-195	0.8	3
16	Efficiency enhancement of slow release of fertilizer using nanozeolite-chitosan/sago starch-based biopolymer composite <b>2021</b> , 18, 1321-1332		3
15	Mercapto-Functionalized Magnetic Graphene Quantum Dots as Adsorbent for Cd <sup>2+</sup> Removal from Wastewater. <i>Environmental Processes</i> , <b>2021</b> , 8, 1289-1306	2.8	2
14	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> , <b>2018</b> , 34, 55-63	0.8	2
13	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> , <b>2018</b> , 34, 623-630	0.8	2
12	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> , <b>2020</b> , 57, 385-391	2.2	1
11	Adsorptive Removal of Manganese (II) from Aqueous Solution using Graphene Oxide: A Kinetics and Thermodynamics Study. <i>Oriental Journal of Chemistry</i> , <b>2017</b> , 33, 1899-1904	0.8	1
10	Simultaneous Detection of Pb(II) and Cd(II) Ions in Noodle Soup Samples using Square Wave Anodic Stripping Voltammetry. <i>Oriental Journal of Chemistry</i> , <b>2019</b> , 35, 807-812	0.8	1
9	Antioxidant and Antibacterial Activities of Biosynthesized Silver Nanoparticles using Aqueous Terminalia catappa Leaf Extracts as Novel Reducing Agent. <i>Asian Journal of Chemistry</i> , <b>2020</b> , 32, 2079-2083	0.4	1
8	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> , <b>2022</b> , 12, 14356-14367	3.7	1
7	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> , <b>2022</b> , 12, 15008-15019	3.7	1

6	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> , <b>2017</b> , 33, 2920-2929	0.8	○
5	Antibacterial Activity of Borassus flabellifer Vinegar-Graphene Quantum Dots Against Gram-Positive and Gram-Negative Bacteria. <i>Asian Journal of Chemistry</i> , <b>2021</b> , 33, 2662-2666	0.4	○
4	Effect of Zn, Ni, and Mn doping ions on magnetic properties of MFe <sub>2</sub> O <sub>4</sub> (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> , <b>2020</b> , 57, 676-683	2.2	○
3	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> , <b>2018</b> , 34, 1198-1212	0.8	○
2	Green Synthesis, Characterization, Antioxidant, Antibacterial and Dye Degradation of Silver Nanoparticles using Combretum indicum Leaf Extract. <i>Asian Journal of Chemistry</i> , <b>2021</b> , 34, 216-222	0.4	○
1	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> , <b>2022</b> , 34, 1113-1118	0.4	○