AsstProfDrPrawit Nuengmatcha

List of Publications by Year
in descending order

42 papers	822 citations	471509 17 h-index	501196 28 g-index
42 all docs	42 docs citations	42 times ranked	989 citing authors

#	Article	IF	Citations
1	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.	3.7	118
2	Enhanced photocatalytic degradation of methylene blue using Fe2O3/graphene/CuO nanocomposites under visible light. Journal of Environmental Chemical Engineering, 2019, 7, 103438.	6.7	79
3	Visible light-driven photocatalytic degradation of rhodamine B and industrial dyes (texbrite BAC-L and) Tj ETQq1 1 0.784314 rgBT /Over 4, 2170-2177.	6.7	76
4	Fe3O4/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.	8.2	70
5	Preconcentration and trace determination of copper (II) in Thai food recipes using Fe 3 O 4 @Chiâ€"GQDs nanocomposites as a new magnetic adsorbent. Food Chemistry, 2017, 230, 388-397.	8.2	61
6	Ultrasonic-assisted recycling of Nile tilapia fish scale biowaste into low-cost nano-hydroxyapatite: Ultrasonic-assisted adsorption for Hg2+ removal from aqueous solution followed by â€œturn-offâ€• fluorescent sensor based on Hg2+-graphene quantum dots. Ultrasonics Sonochemistry, 2020, 63, 104966.	8.2	35
7	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.	3.6	30
8	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.	3.6	28
9	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.	0.3	25
10	Feasibility of hard acidâ€"base affinity for the pronounced adsorption capacity of manganese(<scp>ii</scp>) using amino-functionalized graphene oxide. RSC Advances, 2018, 8, 4162-4171.	3.6	24
11	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.	3.9	23
12	GSH-doped GQDs using citric acid rich-lime oil extract for highly selective and sensitive determination and discrimination of Fe³⁺ and Fe²⁺ in the presence of H₂O₂ by a fluorescence â€œturn-offâ€•sensor. RSC Advances, 2018, 8, 10148-10157.	3.6	22
13	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.	3.5	21
14	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.	0.3	20
15	The use of S₂O₈^{2â^'} and H₂O₂ as novel specific masking agents for highly selective â€œturn-onâ€•fluorescent switching recognition of CN^{â^'} and I^{â^'} based on Hg²⁺â€"graphene quantum dots. RSC Advances, 2018, 8, 1407-1417.	3.6	20
16	Fe2O3-graphene anchored Ag nanocomposite catalyst for enhanced sonocatalytic degradation of methylene blue. Journal of the Korean Ceramic Society, 2021, 58, 297-306.	2.3	20
17	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.	3.6	20
18	Highly efficient ultrasonic-assisted preconcentration of trace amounts of Ag(I), Pb(II), and Cd(II) ions using 3-mercaptopropyl trimethoxysilane-functionalized graphene oxideâ€"magnetic nanoparticles. Journal of the Korean Ceramic Society, 2021, 58, 314-329.	2.3	17

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19	Mercapto-Functionalized Magnetic Graphene Quantum Dots as Adsorbent for Cd2+ Removal from Wastewater. Environmental Processes, 2021, 8, 1289-1306.	3.5	15
20	Efficiency enhancement of slow release of fertilizer using nanozeoliteâ€“chitosan/sago starch-based biopolymer composite. Journal of Coatings Technology Research, 2021, 18, 1321-1332.	2.5	15
21	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.	3.3	13
22	Adsorption of Functionalized Thiol-Graphene Oxide for Removal of Mercury from Aqueous Solution. Asian Journal of Chemistry, 2015, 27, 4167-4170.	0.3	12
23	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.	3.5	12
24	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.	2.7	8
25	Sono-synthesized Fe3O4â€“GOâ€“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.	2.3	8
26	Removal of Hg(II) from Aqueous Solution Using Graphene Oxide as Highly Potential Adsorbent. Asian Journal of Chemistry, 2014, 26, S85-S88.	0.3	7
27	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.	0.3	5
28	Optimization Study of Graphene Oxide Synthesis with Improvement of C/O Ratio. Asian Journal of Chemistry, 2014, 26, 1321-1323.	0.3	4
29	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.	0.3	2
30	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.	0.3	2
31	Diethyldithiocarbamate Doped Graphene Quantum Dots Based Metal Complex Nanoparticles by Resonance Light Scattering for Green Detection of Lead (II) â€“ A Review. Oriental Journal of Chemistry, 2018, 34, 623-630.	0.3	2
32	Adsorptive Removal of Manganese (II) from Aqueous Solution using Graphene Oxide: A Kinetics and Thermodynamics Study. Oriental Journal of Chemistry, 2017, 33, 1899-1904.	0.3	1
33	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.	0.3	1
34	Effect of Zn, Ni, and Mn doping ions on magnetic properties of MFe2O4 (Mâ€‰=â€‰Mn, Zn, and Ni) nanoparticles synthesized via solâ€“gel autocombustion using PVA/sago starch blend as a chelating agent. Journal of the Korean Ceramic Society, 2020, 57, 676-683.	2.3	1
35	Effect of boron addition on the phase-transition temperature of CoPt-B nanoparticles synthesized by solâ€“gel autocombustion using sago starch as a chelating agent. Journal of the Korean Ceramic Society, 2020, 57, 385-391.	2.3	1
36	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.	0.3	1

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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.	0.3	1
38	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.	0.3	1
39	Selective Fe(<scp>ii</scp>)-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.	3.6	1
40	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.	0.3	0
41	Green Synthesis, Characterization, Antioxidant, Antibacterial and Dye Degradation of Silver Nanoparticles using Combretum indicum Leaf Extract. Asian Journal of Chemistry, 2021, 34, 216-222.	0.3	0
42	Synthesis and Antibacterial Efficacy of Nipa Palm Vinegar-Graphene Quantum Dots against Staphylococcus aureus and Escherichia coli. Asian Journal of Chemistry, 2022, 34, 1683-1687.	0.3	0