Huiyuan Guo

List of Publications by Year
in descending order

29 papers	1,018 citations	471509 17 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	1541 citing authors

#	Article	IF	Citations
1	Applications of surfaceâ€enhanced Raman spectroscopy in environmental detection. Analytical Science Advances, 2022, 3, 113-145.	2.8	22
2	New insight into naturally formed nanosilver particles: role of plant root exudates. Environmental Science: Nano, 2021, 8, 1580-1592.	4.3	6
3	Formation of silver nanoparticles in aquatic environments facilitated by algal extracellular polymeric substances: Importance of chloride ions and light. Science of the Total Environment, 2021, 775, 145867.	8.0	7
4	Reduction of silver ions to silver nanoparticles by biomass and biochar: Mechanisms and critical factors. Science of the Total Environment, 2021, 779, 146326.	8.0	15
5	Dual roles of glutathione in silver nanoparticle detoxification and enhancement of nitrogen assimilation in soybean (<i>Glycine max</i> (L.) Merrill). Environmental Science: Nano, 2020, 7, 1954-1966.	4.3	16
6	Rapid organic solvent extraction coupled with surface enhanced Raman spectroscopic mapping for ultrasensitive quantification of foliarly applied silver nanoparticles in plant leaves. Environmental Science: Nano, 2020, 7, 1061-1067.	4.3	5
7	Practical SERS method for assessment of the washing durability of textiles containing silver nanoparticles. Analytical Methods, 2020, 12, 1186-1196.	2.7	2
8	Maize (Zea mays L.) root exudates modify the surface chemistry of CuO nanoparticles: Altered aggregation, dissolution and toxicity. Science of the Total Environment, 2019, 690, 502-510.	8.0	67
9	Real-Time Monitoring of Pesticide Translocation in Tomato Plants by Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2019, 91, 2093-2099.	6.5	37
10	Graphene oxide mediated reduction of silver ions to silver nanoparticles under environmentally relevant conditions: Kinetics and mechanisms. Science of the Total Environment, 2019, 679, 270-278.	8.0	27
11	Transformation of Ag ions into Ag nanoparticle-loaded AgCl microcubes in the plant root zone. Environmental Science: Nano, 2019, 6, 1099-1110.	4.3	15
12	Carbon dots alleviate the toxicity of cadmium ions (Cd²⁺) toward wheat seedlings. Environmental Science: Nano, 2019, 6, 1493-1506.	4.3	54
13	Bromide ion-functionalized nanoprobes for sensitive and reliable pH measurement by surface-enhanced Raman spectroscopy. Analyst, The, 2019, 144, 7326-7335.	3.5	12
14	A field-deployable surface-enhanced Raman scattering (SERS) method for sensitive analysis of silver nanoparticles in environmental waters. Science of the Total Environment, 2019, 653, 1034-1041.	8.0	12
15	Distribution of different surface modified carbon dots in pumpkin seedlings. Scientific Reports, 2018, 8, 7991.	3.3	43
16	Bioaccessibility and exposure assessment of trace metals from urban airborne particulate matter (PM10 and PM2.5) in simulated digestive fluid. Environmental Pollution, 2018, 242, 1669-1677.	7.5	35
17	Reply to Colussi: Microdroplet interfacial pH, the ongoing discussion. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7888-E7889.	7.1	2
18	Microbial Transformation of Multiwalled Carbon Nanotubes by <i>Mycobacterium vanbaalenii</i> PYR-1. Environmental Science & Technology, 2017, 51, 2068-2076.	10.0	34

#	Article	IF	Citations
19	Comparative impacts of iron oxide nanoparticles and ferric ions on the growth of Citrus maxima. Environmental Pollution, 2017, 221, 199-208.	7.5	93
20	Applications of surface-enhanced Raman spectroscopy in the analysis of nanoparticles in the environment. Environmental Science: Nano, 2017, 4, 2093-2107.	4.3	47
21	Interaction of Î^{3}-Fe2O3 nanoparticles with Citrus maxima leaves and the corresponding physiological effects via foliar application. Journal of Nanobiotechnology, 2017, 15, 51.	9.1	65
22	Effect of co-existing kaolinite and goethite on the aggregation of graphene oxide in the aquatic environment. Water Research, 2016, 102, 313-320.	11.3	72
23	Ultra-sensitive determination of silver nanoparticles by surface-enhanced Raman spectroscopy (SERS) after hydrophobization-mediated extraction. Analyst, The, 2016, 141, 5261-5264.	3.5	14
24	Defense mechanisms and nutrient displacement in Arabidopsis thaliana upon exposure to CeO₂ and In₂O₃ nanoparticles. Environmental Science: Nano, 2016, 3, 1369-1379.	4.3	131
25	Evaluation of Postharvest Washing on Removal of Silver Nanoparticles (AgNPs) from Spinach Leaves. Journal of Agricultural and Food Chemistry, 2016, 64, 6916-6922.	5.2	17
26	Mapping gold nanoparticles on and in edible leaves in situ using surface enhanced Raman spectroscopy. RSC Advances, 2016, 6, 60152-60159.	3.6	10
27	Development of a filter-based method for detecting silver nanoparticles and their heteroaggregation in aqueous environments by surface-enhanced Raman spectroscopy. Environmental Pollution, 2016, 211, 198-205.	7.5	23
28	Surface-enhanced Raman scattering detection of silver nanoparticles in environmental and biological samples. Science of the Total Environment, 2016, 554-555, 246-252.	8.0	37
29	Analysis of Silver Nanoparticles in Antimicrobial Products Using Surface-Enhanced Raman Spectroscopy (SERS). Environmental Science & Technology, 2015, 49, 4317-4324.	10.0	98