J G Parsons

List of Publications by Year in descending order

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30 papers	2,403 citations	331670 21 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	3274 citing authors

#	Article	IF	Citations
1	Formation and Growth of Au Nanoparticles inside Live Alfalfa Plants. Nano Letters, 2002, 2, 397-401.	9.1	795
2	Characterization of Cr(VI) binding and reduction to Cr(III) by the agricultural byproducts of Avena monida (Oat) biomass. Journal of Hazardous Materials, 2000, 80, 175-188.	12.4	220
3	Uptake and Effects of Five Heavy Metals on Seed Germination and Plant Growth in Alfalfa (Medicago) Tj ETQq1 1 0.784314 rgBT /Ov	2.7	204
4	Effect of mixed cadmium, copper, nickel and zinc at different pHs upon alfalfa growth and heavy metal uptake. Environmental Pollution, 2002, 119, 291-301.	7.5	150
5	Uptake and Reduction of Cr(VI) to Cr(III) by Mesquite (Prosopis spp.):â€‰Chromateâ€'Plant Interaction in Hydroponics and Solid Media Studied Using XAS. Environmental Science & Technology, 2003, 37, 1859-1864.	10.0	147
6	ENVIRONMENTAL AND BIOLOGICAL APPLICATIONS OF EXTENDED X-RAY ABSORPTION FINE STRUCTURE (EXAFS) AND X-RAY ABSORPTION NEAR EDGE STRUCTURE (XANES) SPECTROSCOPIES. Applied Spectroscopy Reviews, 2002, 37, 187-222.	6.7	104
7	Thermodynamics, kinetics, and activation energy studies of the sorption of chromium(III) and chromium(VI) to a Mn3O4 nanomaterial. Chemical Engineering Journal, 2014, 254, 374-383.	12.7	97
8	Use of hop (Humulus lupulus) agricultural by-products for the reduction of aqueous lead(II) environmental health hazards. Journal of Hazardous Materials, 2002, 91, 95-112.	12.4	75
9	Removal of Cu (II) and Pb (II) from aqueous solution using engineered iron oxide nanoparticles. Microchemical Journal, 2016, 125, 97-104.	4.5	65
10	Anisotropic gold nanoparticles and gold plates biosynthesis using alfalfa extracts. Journal of Nanoparticle Research, 2011, 13, 3113-3121.	1.9	61
11	Examination of arsenic(III) and (V) uptake by the desert plant species mesquite (Prosopis spp.) using X-ray absorption spectroscopy. Science of the Total Environment, 2007, 379, 249-255.	8.0	57
12	The effect of hybrid zinc oxide/graphene oxide (ZnO/GO) nano-catalysts on the photocatalytic degradation of simazine. Chemosphere, 2020, 259, 127414.	8.2	49
13	Study of the thermodynamics of chromium(III) and chromium(VI) binding to iron(II/III)oxide or magnetite or ferrite and magnanese(II) iron (III) oxide or jacobsite or manganese ferrite nanoparticles. Journal of Colloid and Interface Science, 2013, 400, 97-103.	9.4	48
14	Removal of arsenic from water using synthetic Fe 7 S 8 nanoparticles. Chemical Engineering Journal, 2016, 290, 428-437.	12.7	48
15	Microwave-assisted synthesis of iron(III) oxyhydroxides/oxides characterized using transmission electron microscopy, X-ray diffraction, and X-ray absorption spectroscopy. Journal of Physics and Chemistry of Solids, 2009, 70, 555-560.	4.0	35
16	Sorption of Cr(III) and Cr(VI) to K 2 Mn 4 O 9 nanomaterial a study of the effect of pH, time, temperature and interferences. Microchemical Journal, 2017, 133, 614-621.	4.5	30
17	Speciation and uptake of arsenic accumulated by corn seedlings using XAS and DRC-ICP-MS. Chemosphere, 2008, 70, 2076-2083.	8.2	27
18	X-ray Absorption near Edge Structure and Extended X-ray Absorption Fine Structure Analysis of Standards and Biological Samples Containing Mixed Oxidation States of Chromium(III) and Chromium(VI). Applied Spectroscopy, 2007, 61, 338-345.	2.2	26

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19	Study of As(III) and As(V) oxoanion adsorption onto single and mixed ferrite and hausmannite nanomaterials. Microchemical Journal, 2014, 117, 52-60.	4.5	26
20	Use of X-ray absorption spectroscopy and biochemical techniques to characterize arsenic uptake and reduction in pea (Pisum sativum) plants. Plant Physiology and Biochemistry, 2007, 45, 457-463.	5.8	25
21	Potential of Alfalfa Plant to Phytoremediate Individually Contaminated Montmorillonite-Soils with Cadmium(II), Chromium(VI), Copper (II), Nickel(II), and Zinc(II). Bulletin of Environmental Contamination and Toxicology, 2002, 69, 74-81.	2.7	23
22	Removal of Cu2+ and Ni2+ from aqueous solution using SnO2 nanomaterial effect of: pH, time, temperature, interfering cations. Microchemical Journal, 2018, 141, 188-196.	4.5	21
23	Sorption of Uranyl Cations onto Inactivated Cells of Alfalfa Biomass Investigated Using Chemical Modification, ICP-OES, and XAS. Environmental Science & Technology, 2006, 40, 4181-4188.	10.0	20
24	Use of chemical modification and spectroscopic techniques to determine the binding and coordination of gadolinium(III) and neodymium(III) ions by alfalfa biomass. Talanta, 2005, 67, 34-45.	5.5	18
25	Arsenic Speciation in Biological Samples Using XAS and Mixed Oxidation State Calibration Standards of Inorganic Arsenic. Applied Spectroscopy, 2009, 63, 961-970.	2.2	14
26	Kinetics and thermodynamics of the bioreduction of potassium tetrachloroaurate using inactivated oat and wheat tissues. Journal of Nanoparticle Research, 2010, 12, 1579-1588.	1.9	5
27	Thermodynamic and kinetic study of the removal of Cu2+ and Pb2+ ions from aqueous solution using Fe7S8 nanomaterial. Microchemical Journal, 2018, 140, 80-86.	4.5	5
28	Synthesis and characterization of 1,2,3,4 tetrahydroquinoline intercalated into MoS2 in search of cleaner fuels. Journal of Materials Research, 2007, 22, 2747-2757.	2.6	4
29	Metal Oxide Nanoparticle Toxicity in Aquatic Organisms: An Overview of Methods and Mechanisms. Nanotechnology in the Life Sciences, 2021, , 123-161.	0.6	3
30	Copper(II) and lead(II) adsorption onto zinc sulfide nanoparticles effects of light, pH, time, temperature, and interferences. International Journal of Environmental Science and Technology, 2022, 19, 6993-7008.	3.5	1