Luyan Wang

List of Publications by Year
in descending order

32 papers	496 citations	623699 14 h-index	677123 22 g-index
32 all docs	32 docs citations	32 times ranked	817 citing authors

#	Article	IF	Citations
1	A novel electrochemical aptasensor for ultrasensitive detection of kanamycin based on MWCNTsâ€“HMIMPF6 and nanoporous PtTi alloy. Biosensors and Bioelectronics, 2015, 74, 691-697.	10.1	62
2	Hydrothermal and activated synthesis of adsorbent montmorillonite supported porous carbon nanospheres for removal of methylene blue from waste water. RSC Advances, 2015, 5, 89839-89847.	3.6	43
3	High performance supercapacitors based on ternary graphene/Au/polyaniline (PANI) hierarchical nanocomposites. RSC Advances, 2016, 6, 1004-1011.	3.6	36
4	Ultrasensitive electrochemical detection of ochratoxin A based on signal amplification by one-pot synthesized flower-like PEDOTâ€“AuNFs supported on a graphene oxide sponge. Analyst, The, 2019, 144, 5866-5874.	3.5	31
5	Preparation, Characterization and Application of Magnetic Fe3O4-CS for the Adsorption of Orange I from Aqueous Solutions. PLoS ONE, 2014, 9, e108647.	2.5	27
6	Preparation and characterization of sodium polyacrylate-grafted bentonite and its performance removing Pb²⁺ from aqueous solutions. RSC Advances, 2016, 6, 98945-98951.	3.6	27
7	A regular â€œsignal attenuationâ€•electrochemical aptasensor for highly sensitive detection of streptomycin. New Journal of Chemistry, 2016, 40, 9711-9718.	2.8	25
8	A molecularly imprinted electrochemical sensor based on gold nanoparticles and multiwalled carbon nanotubeâ€“chitosan for the detection of tryptamine. RSC Advances, 2014, 4, 38649.	3.6	22
9	Synthesis of sodium polyacrylateâ€“bentonite using in situ polymerization for Pb²⁺ removal from aqueous solutions. RSC Advances, 2016, 6, 48145-48154.	3.6	21
10	A novel signal amplification strategy of an electrochemical immunosensor for human chorionic gonadotropin, based on nanocomposites of multi-walled carbon nanotubesâ€“ionic liquid and nanoporous Pd. RSC Advances, 2014, 4, 57773-57780.	3.6	18
11	Facile synthesis of concave gold nanoplates in hexagonal liquid crystal made of SDS/water system. Chemical Communications, 2010, 46, 8422.	4.1	17
12	Sensitive sandwich electrochemical immunosensor for human chorionic gonadotropin using nanoporous Pd as a label. RSC Advances, 2014, 4, 21891-21898.	3.6	16
13	Synthesis, characterization and application of chitosan coated Fe₃O₄particles as an adsorbent for the removal of furfural from aqueous solution. RSC Advances, 2014, 4, 30352.	3.6	16
14	Bentonite Modified by Allylamine Polymer for Adsorption of Amido Black 10B. Polymers, 2019, 11, 502.	4.5	16
15	Electrochemical synthesis of poly(3-thiophene acetic acid) nanowires with water-soluble macromolecule templates. RSC Advances, 2015, 5, 16684-16690.	3.6	14
16	Effects of the Chemical Structure of Polycarboxy-Ether Superplasticizer on Its Performance in Sulphoaluminate Cement. Journal of Dispersion Science and Technology, 2011, 32, 795-798.	2.4	13
17	Synthesis of Gold Nanoplates in Lecithin Lamellar Liquid Crystals. Canadian Journal of Chemical Engineering, 2007, 85, 598-601.	1.7	12
18	Ultra-Highly Efficient Removal of Methylene Blue Based on Graphene Oxide/TiO2/Bentonite Sponge. Materials, 2020, 13, 824.	2.9	12

#	Article	IF	Citations
19	A sensitive electrochemical DNA sensor for detecting Helicobacter pylori based on accordion-like Ti3C2Tx: a simple strategy. Analytical and Bioanalytical Chemistry, 2021, 413, 4353-4362.	3.7	12
20	Electrosynthesis of pure poly(3,4-ethylenedioxythiophene) (PEDOT) in chitosan-based liquid crystal phase. Electronic Materials Letters, 2013, 9, 605-608.	2.2	8
21	Adsorption of metanil yellow from aqueous solution using polyaniline-bentonite composite. Colloid and Polymer Science, 2017, 295, 1165-1175.	2.1	8
22	Cationic Polymer Grafted-Bentonite by Ce(IV)-Redox System for Adsorption of the Anionic Dye. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 249-256.	3.7	7
23	Surface Modification of Bentonite with Polymer Brushes and Its Application as an Efficient Adsorbent for the Removal of Hazardous Dye Orange I. Nanomaterials, 2020, 10, 1112.	4.1	7
24	Effect of L64 on the Phase Behavior of 1â€Dodecylâ€3â€methylimidazolium Chloride/Water System. Chinese Journal of Chemistry, 2010, 28, 1069-1075.	4.9	5
25	Facile Synthesis of Multiâ€Branched Gold Nanostructures through a TBABâ€Assisted Route in Aqueous Solution and Their SERS Property. Chinese Journal of Chemistry, 2011, 29, 185-190.	4.9	5
26	Synthesis of a Cationic Polymer-Bentonite Composite Utilizing a Simple and Green Process for the Adsorption of Acid Orange 7 from Aqueous Solution. Journal of Macromolecular Science - Physics, 2019, 58, 794-809.	1.0	5
27	Synthesis of a novel water-soluble conjugated polyelectrolyte based on polycyclopentadithiophene backbone and its application for heparin detection. Designed Monomers and Polymers, 2014, 17, 624-628.	1.6	3
28	Dopant-Mediated Interactions in a Lecithin Lamellar Phase. Journal of Dispersion Science and Technology, 2008, 29, 985-990.	2.4	2
29	High Yield of Ordered and Straight Polypyrrole Microwires Synthesized through a (Hydroxyethyl)cellulose Template. Chemistry Letters, 2012, 41, 1692-1693.	1.3	2
30	Preparation of polyamine grafted bentonite by surface-initiated atom transfer radical polymerization for efficient adsorption of Orange I from aqueous solution. New Journal of Chemistry, 2017, 41, 3352-3357.	2.8	2
31	Synthesis of bentonite grafted by cationic polymer for the adsorption of Amido black 10B. Colloid and Polymer Science, 2016, 294, 2005-2012.	2.1	1
32	Synthesis and characterization of a polycarboxylate superplasticizer modified by sodium hypophosphite. Polymers for Advanced Technologies, 0, , .	3.2	1