Fuquan Dang

List of Publications by Year
in descending order

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18 papers	512 citations	759233 12 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	680 citing authors

#	Article	IF	Citations
1	Ultrafast analysis of oligosaccharides on microchip with light-emitting diode confocal fluorescence detection. Electrophoresis, 2003, 24, 714-721.	2.4	92
2	Size-selective QD@MOF core-shell nanocomposites for the highly sensitive monitoring of oxidase activities. Biosensors and Bioelectronics, 2017, 87, 339-344.	10.1	75
3	Characterization of Electrophoretic Behavior of Sugar Isomers by Microchip Electrophoresis Coupled with Videomicroscopy. Analytical Chemistry, 2003, 75, 2433-2439.	6.5	59
4	Ratiometric fluorescence sensor based on cholesterol oxidase-functionalized mesoporous silica nanoparticle@ZIF-8 core-shell nanocomposites for detection of cholesterol. Talanta, 2018, 188, 708-713.	5.5	50
5	Hybrid Dynamic Coating withn-DodecylÎ²-d-Maltoside and Methyl Cellulose for High-Performance Carbohydrate Analysis on Poly(methyl methacrylate) Chips. Analytical Chemistry, 2006, 78, 1452-1458.	6.5	48
6	Surface Modification of Poly(dimethylsiloxane) Using Ionic Complementary Peptides to Minimize Nonspecific Protein Adsorption. Langmuir, 2015, 31, 5891-5898.	3.5	44
7	A novel peptide/Fe3O4@SiO2-Au nanocomposite-based fluorescence biosensor for the highly selective and sensitive detection of prostate-specific antigen. Talanta, 2018, 179, 531-537.	5.5	37
8	One-step fabrication of bifunctional self-assembled oligopeptides anchored magnetic carbon nanoparticles and their application in copper (II) ions removal from aqueous solutions. Journal of Hazardous Materials, 2020, 382, 121113.	12.4	19
9	Lysozyme-mediated fabrication of well-defined coreâ€“shell nanoparticle@metalâ€“organic framework nanocomposites. Journal of Materials Chemistry A, 2017, 5, 20765-20770.	10.3	14
10	One-step maltose-functionalization of magnetic nanoparticles based on self-assembled oligopeptides for selective enrichment of glycopeptides. Analytica Chimica Acta, 2019, 1088, 63-71.	5.4	13
11	Key Role of Ionic Hydrogen Bonding in Nonspecific Protein Adsorption on a Hydrophobic Surface. Journal of Physical Chemistry C, 2016, 120, 19135-19141.	3.1	12
12	Versatile antifouling coatings based on self-assembled oligopeptides for engineering and biological materials. Journal of Materials Chemistry B, 2019, 7, 2242-2246.	5.8	12
13	Antifouling Gold-Inlaid BSA Coating for the Highly Efficient Capture of Circulating Tumor Cells. Analytical Chemistry, 2022, 94, 6754-6759.	6.5	10
14	Carbohydrateâ^'Protein Interactions Investigated on Plastic Chips Statically Coated with Hydrophobically Modified Hydroxyethylcellulose. Analytical Chemistry, 2009, 81, 10055-10060.	6.5	9
15	Fabrication of a porous Î²-cyclodextrin-polymer-coated solid-phase microextraction fiber for the simultaneous determination of five contaminants in water using gas chromatography-mass spectrometry. RSC Advances, 2018, 8, 22422-22428.	3.6	8
16	Carbohydrate analysis on hybrid poly(dimethylsiloxane)/glass chips dynamically coated with ionic complementary peptide. Journal of Chromatography A, 2017, 1481, 152-157.	3.7	6
17	Specific enrichment of phosphopeptides by using magnetic nanocomposites of type Fe3O4@graphene oxide and Fe3O4@C coated with self-assembled oligopeptides. Mikrochimica Acta, 2020, 187, 144.	5.0	4
18	C18-functionalized magnetic nanocomposites fabricated by one-step aqueous coating of tailored oligopeptides for enrichment of low-abundance peptides. Journal of Chromatography A, 2021, 1636, 461730.	3.7	0