

Essam S Abdel-Halim

List of Publications by Year in descending order

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38
papers

2,210
citations

186209

28
h-index

302012

39
g-index

39
all docs

39
docs citations

39
times ranked

2787
citing authors

#	ARTICLE	IF	CITATIONS
1	Carboxymethyl cellulose for green synthesis and stabilization of silver nanoparticles. Carbohydrate Polymers, 2010, 82, 933-941.	5.1	241
2	Polyacrylamide/guar gum graft copolymer for preparation of silver nanoparticles. Carbohydrate Polymers, 2011, 85, 692-697.	5.1	133
3	Hydrogel from crosslinked polyacrylamide/guar gum graft copolymer for sorption of hexavalent chromium ion. Carbohydrate Polymers, 2011, 86, 1306-1312.	5.1	130
4	Graphene Quantum Dots as Fluorescence Probes for Turn-off Sensing of Melamine in the Presence of Hg ²⁺ . ACS Applied Materials & Interfaces, 2014, 6, 2858-2864.	4.0	122
5	Removal of heavy metals from their aqueous solutions through adsorption onto natural polymers. Carbohydrate Polymers, 2011, 84, 454-458.	5.1	120
6	Chitosan and monochlorotriazinyl- β -cyclodextrin finishes improve antistatic properties of cotton/polyester blend and polyester fabrics. Carbohydrate Polymers, 2010, 82, 202-208.	5.1	87
7	Highly selective and ultrasensitive detection of nitrite based on fluorescent gold nanoclusters. Talanta, 2013, 104, 135-139.	2.9	83
8	Utilization of hydroxypropyl cellulose for green and efficient synthesis of silver nanoparticles. Carbohydrate Polymers, 2011, 86, 1615-1622.	5.1	81
9	Ultrasensitive multi-analyte electrochemical immunoassay based on GNR-modified heated screen-printed carbon electrodes and PS@PDA-metal labels for rapid detection of MMP-9 and IL-6. Biosensors and Bioelectronics, 2014, 55, 51-56.	5.3	77
10	One-step bleaching process for cotton fabrics using activated hydrogen peroxide. Carbohydrate Polymers, 2013, 92, 1844-1849.	5.1	73
11	Chemically modified cellulosic adsorbent for divalent cations removal from aqueous solutions. Carbohydrate Polymers, 2012, 87, 1863-1868.	5.1	68
12	Enhancement of the Adsorption of Co(II) and Ni(II) Ions onto Peanut Hulls through Esterification Using Citric Acid. Adsorption Science and Technology, 2005, 23, 367-380.	1.5	66
13	pH-Sensitive Polydopamine Nanocapsules for Cell Imaging and Drug Delivery Based on Folate Receptor Targeting. Journal of Biomedical Nanotechnology, 2013, 9, 1155-1163.	0.5	60
14	Low temperature bleaching of cotton cellulose using peracetic acid. Carbohydrate Polymers, 2011, 86, 988-994.	5.1	59
15	Rice straw as a new resource for some beneficial uses. Carbohydrate Polymers, 2009, 75, 44-51.	5.1	58
16	Utilization of hydroxypropyl cellulose and poly(acrylic acid)-hydroxypropyl cellulose composite as thickeners for textile printing. Carbohydrate Polymers, 2008, 74, 938-941.	5.1	49
17	Simple and economic bleaching process for cotton fabric. Carbohydrate Polymers, 2012, 88, 1233-1238.	5.1	47
18	Incorporation of chlorohexidin diacetate into cotton fabrics grafted with glycidyl methacrylate and cyclodextrin. Carbohydrate Polymers, 2010, 79, 47-53.	5.1	45

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19	Pollution prevention of cotton-cone reactive dyeing. <i>Journal of Cleaner Production</i> , 2008, 16, 1321-1326.	4.6	44
20	An effective adsorbent based on sawdust for removal of direct dye from aqueous solutions. <i>Clean Technologies and Environmental Policy</i> , 2011, 13, 713-718.	2.1	42
21	Molecular beacon structure mediated rolling circle amplification for ultrasensitive electrochemical detection of microRNA based on quantum dots tagging. <i>Electrochemistry Communications</i> , 2013, 33, 80-83.	2.3	41
22	Bioscouring of linen fabric in comparison with conventional chemical treatment. <i>Carbohydrate Polymers</i> , 2008, 74, 707-711.	5.1	40
23	An effective redox system for bleaching cotton cellulose. <i>Carbohydrate Polymers</i> , 2012, 90, 316-321.	5.1	39
24	Antimicrobial activity of monochlorotriazinyl- β -cyclodextrin/chlorohexidin diacetate finished cotton fabrics. <i>Carbohydrate Polymers</i> , 2011, 86, 1389-1394.	5.1	37
25	Cotton fabric finished with β -cyclodextrin: Inclusion ability toward antimicrobial agent. <i>Carbohydrate Polymers</i> , 2014, 102, 550-556.	5.1	36
26	A sensitive and selective quantum dots-based FRET biosensor for the detection of cancer marker type IV collagenase. <i>Analytical Methods</i> , 2011, 3, 1797.	1.3	31
27	Direct electrochemistry of glucose oxidase and biosensing for glucose based on helical carbon nanotubes modified magnetic electrodes. <i>Electrochimica Acta</i> , 2011, 58, 179-183.	2.6	30
28	Enhancing hydrophilicity of bioscoured flax fabric by emulsification post-treatment. <i>Carbohydrate Polymers</i> , 2010, 82, 195-201.	5.1	29
29	Sonoelectrochemical synthesis of water-soluble CdTe quantum dots. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 493-498.	3.8	26
30	The fabrication of palladium hollow sphere array and application as highly active electrocatalysts for the direct oxidation of ethanol. <i>Electrochemistry Communications</i> , 2011, 13, 1525-1528.	2.3	25
31	Preparation and characterization of poly(acrylic acid)-hydroxyethyl cellulose graft copolymer. <i>Carbohydrate Polymers</i> , 2012, 90, 930-936.	5.1	25
32	Microwave-assisted graft copolymerization of amino acid based monomers onto starch and their use as drug carriers. <i>Carbohydrate Polymers</i> , 2014, 106, 440-452.	5.1	24
33	Preparation and characterization of water soluble poly(acrylic acid)-hydroxypropyl cellulose composite. <i>Carbohydrate Polymers</i> , 2008, 74, 783-786.	5.1	23
34	Physiochemical properties of differently pretreated cellulosic fibers. <i>Carbohydrate Polymers</i> , 2012, 88, 1201-1207.	5.1	16
35	Fabrication of PEDOT nanowiskers for electrical connection of the hemoglobin active center for H ₂ O ₂ electrochemical biosensing. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3451.	2.9	16
36	Utilization of Poly(N-vinyl-2-pyrrolidone) to Enhance the Performance Properties as well as UV Protection of Ester Crosslinked Cotton Fabrics. <i>Journal of Industrial Textiles</i> , 2010, 40, 109-121.	1.1	15

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37	Hemoglobin/DNA/layered double hydroxide composites for biosensing applications. Analytical Methods, 2013, 5, 3565.	1.3	12
38	Amine salts-activated systems for one-step bleaching of cotton fabrics. Carbohydrate Polymers, 2013, 96, 64-70.	5.1	10