

# Essam S Abdel-Halim

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39  
papers

1,878  
citations

28  
h-index

39  
g-index

39  
ext. papers

2,030  
ext. citations

8.5  
avg, IF

5.11  
L-index

#	Paper	IF	Citations
39	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. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 51-6	11.8	60
38	Cotton fabric finished with $\beta$ -cyclodextrin: Inclusion ability toward antimicrobial agent. <i>Carbohydrate Polymers</i> , <b>2014</b> , 102, 550-6	10.3	31
37	Microwave-assisted graft copolymerization of amino acid based monomers onto starch and their use as drug carriers. <i>Carbohydrate Polymers</i> , <b>2014</b> , 106, 440-52	10.3	22
36	Graphene quantum dots as fluorescence probes for turn-off sensing of melamine in the presence of Hg(2+). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2858-64	9.5	106
35	Sonoelectrochemical synthesis of water-soluble CdTe quantum dots. <i>Ultrasonics Sonochemistry</i> , <b>2014</b> , 21, 493-8	8.9	25
34	Fabrication of PEDOT nanowhiskers for electrical connection of the hemoglobin active center for HO electrochemical biosensing. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3451-3457	7.3	15
33	Hemoglobin/DNA/layered double hydroxide composites for biosensing applications. <i>Analytical Methods</i> , <b>2013</b> , 5, 3565	3.2	8
32	One-step bleaching process for cotton fabrics using activated hydrogen peroxide. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 1844-9	10.3	57
31	Molecular beacon structure mediated rolling circle amplification for ultrasensitive electrochemical detection of microRNA based on quantum dots tagging. <i>Electrochemistry Communications</i> , <b>2013</b> , 33, 80-83	5.1	38
30	Highly selective and ultrasensitive detection of nitrite based on fluorescent gold nanoclusters. <i>Talanta</i> , <b>2013</b> , 104, 135-9	6.2	70
29	Amine salts-activated systems for one-step bleaching of cotton fabrics. <i>Carbohydrate Polymers</i> , <b>2013</b> , 96, 64-70	10.3	8
28	Antibacterial modification of cotton using nanotechnology. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 943-54	10.3	40
27	pH-sensitive polydopamine nanocapsules for cell imaging and drug delivery based on folate receptor targeting. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 1155-63	4	54
26	An effective redox system for bleaching cotton cellulose. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 316-21	10.3	30
25	Preparation and characterization of poly(acrylic acid)-hydroxyethyl cellulose graft copolymer. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 930-6	10.3	23
24	Chemically modified cellulosic adsorbent for divalent cations removal from aqueous solutions. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 1863-1868	10.3	60
23	Physiochemical properties of differently pretreated cellulosic fibers. <i>Carbohydrate Polymers</i> , <b>2012</b> , 88, 1201-1207	10.3	14

22	Simple and economic bleaching process for cotton fabric. <i>Carbohydrate Polymers</i> , <b>2012</b> , 88, 1233-1238	10.3	32
21	The fabrication of palladium hollow sphere array and application as highly active electrocatalysts for the direct oxidation of ethanol. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 1525-1528	5.1	21
20	Direct electrochemistry of glucose oxidase and biosensing for glucose based on helical carbon nanotubes modified magnetic electrodes. <i>Electrochimica Acta</i> , <b>2011</b> , 58, 179-183	6.7	28
19	Utilization of hydroxypropyl cellulose for green and efficient synthesis of silver nanoparticles. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 1615-1622	10.3	64
18	An effective adsorbent based on sawdust for removal of direct dye from aqueous solutions. <i>Clean Technologies and Environmental Policy</i> , <b>2011</b> , 13, 713-718	4.3	38
17	Removal of heavy metals from their aqueous solutions through adsorption onto natural polymers. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 454-458	10.3	109
16	Polyacrylamide/guar gum graft copolymer for preparation of silver nanoparticles. <i>Carbohydrate Polymers</i> , <b>2011</b> , 85, 692-697	10.3	109
15	Antimicrobial activity of monochlorotriazinyl- $\beta$ -cyclodextrin/chlorohexidin diacetate finished cotton fabrics. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 1389-1394	10.3	36
14	A sensitive and selective quantum dots-based FRET biosensor for the detection of cancer marker type IV collagenase. <i>Analytical Methods</i> , <b>2011</b> , 3, 1797	3.2	30
13	Low temperature bleaching of cotton cellulose using peracetic acid. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 988-994	10.3	48
12	Hydrogel from crosslinked polyacrylamide/guar gum graft copolymer for sorption of hexavalent chromium ion. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 1306-1312	10.3	105
11	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> , <b>2010</b> , 40, 109-121	1.6	14
10	Enhancing hydrophilicity of bioscoured flax fabric by emulsification post-treatment. <i>Carbohydrate Polymers</i> , <b>2010</b> , 82, 195-201	10.3	26
9	Carboxymethyl cellulose for green synthesis and stabilization of silver nanoparticles. <i>Carbohydrate Polymers</i> , <b>2010</b> , 82, 933-941	10.3	201
8	Chitosan and monochlorotriazinyl- $\beta$ -cyclodextrin finishes improve antistatic properties of cotton/polyester blend and polyester fabrics. <i>Carbohydrate Polymers</i> , <b>2010</b> , 82, 202-208	10.3	74
7	Incorporation of chlorohexidin diacetate into cotton fabrics grafted with glycidyl methacrylate and cyclodextrin. <i>Carbohydrate Polymers</i> , <b>2010</b> , 79, 47-53	10.3	42
6	Rice straw as a new resource for some beneficial uses. <i>Carbohydrate Polymers</i> , <b>2009</b> , 75, 44-51	10.3	49
5	Pollution prevention of cotton-cone reactive dyeing. <i>Journal of Cleaner Production</i> , <b>2008</b> , 16, 1321-1326	10.3	36

4	Preparation and characterization of water soluble poly(acrylic acid)-hydroxypropyl cellulose composite. <i>Carbohydrate Polymers</i> , <b>2008</b> , 74, 783-786	10.3	23
3	Bioscouring of linen fabric in comparison with conventional chemical treatment. <i>Carbohydrate Polymers</i> , <b>2008</b> , 74, 707-711	10.3	37
2	Utilization of hydroxypropyl cellulose and poly(acrylic acid)-hydroxypropyl cellulose composite as thickeners for textile printing. <i>Carbohydrate Polymers</i> , <b>2008</b> , 74, 938-941	10.3	39
1	Enhancement of the Adsorption of Co(II) and Ni(II) Ions onto Peanut Hulls through Esterification Using Citric Acid. <i>Adsorption Science and Technology</i> , <b>2005</b> , 23, 367-380	3.6	56