

# Hassan M Azzazy

## List of Publications by Citations

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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.

92 papers	3,404 citations	30 h-index	56 g-index
101 ext. papers	3,888 ext. citations	5.1 avg, IF	5.84 L-index

#	Paper	IF	Citations
92	The use of neuronal networks on multielectrode arrays as biosensors. <i>Biosensors and Bioelectronics</i> , <b>1995</b> , 10, 553-67	11.8	309
91	Phage display technology: clinical applications and recent innovations. <i>Clinical Biochemistry</i> , <b>2002</b> , 35, 425-45	3.5	239
90	From diagnostics to therapy: prospects of quantum dots. <i>Clinical Biochemistry</i> , <b>2007</b> , 40, 917-27	3.5	206
89	Novel hierarchical composite adsorbent for selective lead(II) ions capturing from wastewater samples. <i>Chemical Engineering Journal</i> , <b>2018</b> , 332, 377-386	14.7	156
88	Nanodiagnostics: a new frontier for clinical laboratory medicine. <i>Clinical Chemistry</i> , <b>2006</b> , 52, 1238-46	5.5	145
87	Gold nanoparticles for molecular diagnostics. <i>Expert Review of Molecular Diagnostics</i> , <b>2009</b> , 9, 511-24	3.8	136
86	Novel nano-conjugate materials for effective arsenic(V) and phosphate capturing in aqueous media. <i>Chemical Engineering Journal</i> , <b>2018</b> , 331, 54-63	14.7	133
85	Unbound free fatty acids and heart-type fatty acid-binding protein: diagnostic assays and clinical applications. <i>Clinical Chemistry</i> , <b>2006</b> , 52, 19-29	5.5	103
84	In vitro diagnostic prospects of nanoparticles. <i>Clinica Chimica Acta</i> , <b>2009</b> , 403, 1-8	6.2	101
83	Direct detection of unamplified hepatitis C virus RNA using unmodified gold nanoparticles. <i>Clinical Biochemistry</i> , <b>2010</b> , 43, 1163-8	3.5	90
82	High concentration honey chitosan electrospun nanofibers: biocompatibility and antibacterial effects. <i>Carbohydrate Polymers</i> , <b>2015</b> , 122, 135-43	10.3	89
81	Optical metal-organic framework sensor for selective discrimination of some toxic metal ions in water. <i>Analytica Chimica Acta</i> , <b>2013</b> , 793, 90-8	6.6	79
80	Challenges in the determination of aminoglycoside antibiotics, a review. <i>Analytica Chimica Acta</i> , <b>2015</b> , 890, 21-43	6.6	74
79	How successful is nuclear targeting by nanocarriers?. <i>Journal of Controlled Release</i> , <b>2016</b> , 229, 140-153	11.7	61
78	Hepatitis B virus genotyping: current methods and clinical implications. <i>International Journal of Infectious Diseases</i> , <b>2010</b> , 14, e941-53	10.5	58
77	Chitosan Nanoparticles for Nuclear Targeting: The Effect of Nanoparticle Size and Nuclear Localization Sequence Density. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 4277-89	5.6	56
76	Gold nanoparticle-based fluorescence immunoassay for malaria antigen detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 1019-27	4.4	55

75	Direct detection of hyaluronidase in urine using cationic gold nanoparticles: a potential diagnostic test for bladder cancer. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 7-14	11.8	53
74	Power-free chip enzyme immunoassay for detection of prostate specific antigen (PSA) in serum. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 49, 478-84	11.8	52
73	Gold nanoparticles in the clinical laboratory: principles of preparation and applications. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2011</b> , 50, 193-209	5.9	52
72	Phage approved in food, why not as a therapeutic?. <i>Expert Review of Anti-Infective Therapy</i> , <b>2015</b> , 13, 91-101	5.5	48
71	Unmodified gold nanoparticles for direct and rapid detection of Mycobacterium tuberculosis complex. <i>Clinical Biochemistry</i> , <b>2013</b> , 46, 633-7	3.5	48
70	Cardiac point of care testing: a focused review of current National Academy of Clinical Biochemistry guidelines and measurement platforms. <i>Clinical Biochemistry</i> , <b>2009</b> , 42, 150-7	3.5	48
69	Cardiac markers of acute coronary syndromes: is there a case for point-of-care testing?. <i>Clinical Biochemistry</i> , <b>2002</b> , 35, 13-27	3.5	48
68	Doping in the recombinant era: strategies and counterstrategies. <i>Clinical Biochemistry</i> , <b>2005</b> , 38, 959-65	3.5	46
67	Standardization of Creatine Kinase-MB (CK-MB) Mass Assays: The Use of Recombinant CK-MB as a Reference Material. <i>Clinical Chemistry</i> , <b>1999</b> , 45, 1414-1423	5.5	43
66	The effect of increasing honey concentration on the properties of the honey/polyvinyl alcohol/chitosan nanofibers. <i>Materials Science and Engineering C</i> , <b>2016</b> , 67, 276-284	8.3	39
65	Hepatitis C virus RNA assays: current and emerging technologies and their clinical applications. <i>Expert Review of Molecular Diagnostics</i> , <b>2011</b> , 11, 53-64	3.8	36
64	Impact of increased body mass index on accuracy of B-type natriuretic peptide (BNP) and N-terminal proBNP for diagnosis of decompensated heart failure and prediction of all-cause mortality. <i>Clinical Chemistry</i> , <b>2010</b> , 56, 633-41	5.5	31
63	Apitherapeutics and phage-loaded nanofibers as wound dressings with enhanced wound healing and antibacterial activity. <i>Nanomedicine</i> , <b>2017</b> , 12, 2055-2067	5.6	30
62	Characteristics of myoglobin, carbonic anhydrase III and the myoglobin/carbonic anhydrase III ratio in trauma, exercise, and myocardial infarction patients. <i>Clinica Chimica Acta</i> , <b>2000</b> , 294, 115-28	6.2	30
61	Quantum dots: heralding a brighter future for clinical diagnostics. <i>Nanomedicine</i> , <b>2012</b> , 7, 1755-69	5.6	29
60	Gene doping: of mice and men. <i>Clinical Biochemistry</i> , <b>2009</b> , 42, 435-41	3.5	28
59	Biodegradable Particulate Carrier Formulation and Tuning for Targeted Drug Delivery. <i>Journal of Biomedical Nanotechnology</i> , <b>2015</b> , 11, 555-77	4	26
58	Direct detection of unamplified hepatoma upregulated protein RNA in urine using gold nanoparticles for bladder cancer diagnosis. <i>Clinical Biochemistry</i> , <b>2014</b> , 47, 104-10	3.5	26

57	Palladium Nanoparticles Fabricated by Green Chemistry: Promising Chemotherapeutic, Antioxidant and Antimicrobial Agents. <i>Materials</i> , <b>2020</b> , 13,	3.5	25
56	Green Synthesis of Platinum and Palladium Nanoparticles Using L. Seed Alkaloids: Biological and Computational Studies. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	23
55	Fabrication of pomegranate/honey nanofibers for use as antibacterial wound dressings. <i>Wound Medicine</i> , <b>2020</b> , 28, 100181	2.8	22
54	B-type natriuretic peptide: physiologic role and assay characteristics. <i>Heart Failure Reviews</i> , <b>2003</b> , 8, 315-320	3.0	22
53	A novel and potential chemical sensor for effective monitoring of Fe(II) ion in corrosion systems of water samples. <i>Microchemical Journal</i> , <b>2020</b> , 154, 104578	4.8	22
52	Development of an inhalable, stimuli-responsive particulate system for delivery to deep lung tissue. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 146, 19-30	6	21
51	Chitosan gold nanoparticles for detection of amplified nucleic acids isolated from sputum. <i>Carbohydrate Polymers</i> , <b>2017</b> , 164, 57-63	10.3	20
50	Positional effect of mutations in 5'UTR of hepatitis C virus 4a on patients' response to therapy. <i>World Journal of Gastroenterology</i> , <b>2009</b> , 15, 1480-6	5.6	19
49	Controlled synthesis and characterization of hollow flower-like silver nanostructures. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 1543-50	7.3	18
48	Platinum Nanoparticles: Green Synthesis and Biomedical Applications. <i>Molecules</i> , <b>2020</b> , 25,	4.8	18
47	Effect of Surface Charge and Hydrophobicity Modulation on the Antibacterial and Antibiofilm Potential of Magnetic Iron Nanoparticles. <i>Journal of Nanomaterials</i> , <b>2017</b> , 2017, 1-15	3.2	17
46	Sustained broad-spectrum antibacterial effects of nanoliposomes loaded with silver nanoparticles. <i>Nanomedicine</i> , <b>2014</b> , 9, 1301-10	5.6	16
45	Identification of a novel drug lead that inhibits HCV infection and cell-to-cell transmission by targeting the HCV E2 glycoprotein. <i>PLoS ONE</i> , <b>2014</b> , 9, e111333	3.7	16
44	Nuclear delivery of recombinant OCT4 by chitosan nanoparticles for transgene-free generation of protein-induced pluripotent stem cells. <i>Oncotarget</i> , <b>2016</b> , 7, 37728-37739	3.3	15
43	A single tube system for the detection of Mycobacterium tuberculosis DNA using gold nanoparticles based FRET assay. <i>Journal of Microbiological Methods</i> , <b>2017</b> , 139, 165-167	2.8	14
42	Nuclear and cytoplasmic delivery of lactoferrin in glioma using chitosan nanoparticles: Cellular location dependent-action of lactoferrin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2018</b> , 129, 74-79	5.7	14
41	A high throughput method for quantification of cell surface bound and internalized chitosan nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 858-66	7.9	12
40	Association of single nucleotide polymorphisms in CFH, ARMS2 and HTRA1 genes with risk of age-related macular degeneration in Egyptian patients. <i>Ophthalmic Genetics</i> , <b>2013</b> , 34, 209-16	1.2	12

39	Rogue athletes and recombinant DNA technology: challenges for doping control. <i>Analyst, The</i> , <b>2007</b> , 132, 951-7	5	12
38	Stability of B-type natriuretic peptide (BNP) in whole blood and plasma stored under different conditions when measured with the Biosite Triage or Beckman-Coulter Access systems. <i>Clinica Chimica Acta</i> , <b>2007</b> , 384, 176-8	6.2	12
37	Abbott AxSYM Vancomycin II assay: multicenter evaluation and interference studies. <i>Therapeutic Drug Monitoring</i> , <b>1998</b> , 20, 202-8	3.2	12
36	A sensitive colorimetric assay for identification of <i>Acinetobacter baumannii</i> using unmodified gold nanoparticles. <i>Journal of Applied Microbiology</i> , <b>2014</b> , 117, 465-71	4.7	11
35	The hunt for gene dopers. <i>Drug Testing and Analysis</i> , <b>2009</b> , 1, 311-22	3.5	11
34	Silver Nanostructures: Properties, Synthesis, and Biosensor Applications. <i>ACS Symposium Series</i> , <b>2012</b> , 359-404	0.4	10
33	Experimental and Computational Investigations of Carboplatin Supramolecular Complexes. <i>ACS Omega</i> , <b>2020</b> , 5, 31456-31466	3.9	10
32	Clinical laboratory data: acquire, analyze, communicate, liberate. <i>Clinica Chimica Acta</i> , <b>2015</b> , 438, 186-94	6.2	9
31	Fourier transform infrared spectroscopy for in-process inspection, counterfeit detection and quality control of anti-diabetic drugs. <i>Spectroscopy</i> , <b>2011</b> , 26, 297-309		9
30	Host-Guest Complexation of Oxaliplatin and Sulfonatocalix[n]Arenes for Potential Use in Cancer Therapy. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
29	Liposome Photosensitizer Formulations for Effective Cancer Photodynamic Therapy. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	9
28	Nanodiagnostics for tuberculosis detection. <i>Expert Review of Molecular Diagnostics</i> , <b>2017</b> , 17, 427-443	3.8	8
27	Detection of unamplified HCV RNA in serum using a novel two metallic nanoparticle platform. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2014</b> , 52, 565-72	5.9	7
26	Identification and retrospective validation of T-cell epitopes in the hepatitis C virus genotype 4 proteome: an accelerated approach toward epitope-driven vaccine development. <i>Human Vaccines and Immunotherapeutics</i> , <b>2014</b> , 10, 2366-77	4.4	7
25	Alkaloids Self-Assembled Supramolecular Nanocapsules with Enhanced Antioxidant and Cytotoxic Activities. <i>ACS Omega</i> , <b>2021</b> , 6, 11954-11963	3.9	7
24	The prognostic value of histidine-rich glycoprotein RNA in breast tissue using unmodified gold nanoparticles assay. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 174, 751-61	3.2	6
23	Interaction of cationic liposomes with cells of electrically active neuronal networks in culture. <i>Brain Research</i> , <b>1995</b> , 695, 231-6	3.7	6
22	Enhanced Anticancer Activity of Nedaplatin Loaded onto Copper Nanoparticles Synthesized Using Red Algae.. <i>Pharmaceutics</i> , <b>2022</b> , 14,	6.4	6

21	Simultaneous determination of sildenafil citrate and some nitric oxide releasing drugs in human plasma using UPLC MS/MS. <i>Clinical Biochemistry</i> , <b>2014</b> , 47, 654-6	3.5	5
20	Chitosan-Coated PLGA Nanoparticles Loaded with Alkaloids with Promising Antibacterial and Wound Healing Activities. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
19	Detection of <i>Acinetobacter baumannii</i> in fresh produce using modified magnetic nanoparticles and PCR. <i>Analytical Biochemistry</i> , <b>2020</b> , 609, 113890	3.1	4
18	Nanogold Assay Improves Accuracy of Conventional TB Diagnostics. <i>Lung</i> , <b>2019</b> , 197, 241-247	2.9	4
17	Betaine host-guest complexation with a calixarene receptor: enhanced anticancer effect.. <i>RSC Advances</i> , <b>2021</b> , 11, 24673-24680	3.7	4
16	Transcriptional Regulatory Networks in Hepatitis C Virus-induced Hepatocellular Carcinoma. <i>Scientific Reports</i> , <b>2018</b> , 8, 14234	4.9	4
15	Two-center clinical evaluation of a new automated fluorometric immunoassay for the quantitative analysis of total betaeta-human chorionic gonadotropin. <i>Clinical Biochemistry</i> , <b>2003</b> , 36, 523-8	3.5	3
14	Performance characteristics of a new myoglobin microparticle enzyme immunoassay: a multicenter evaluation. <i>Clinical Biochemistry</i> , <b>2000</b> , 33, 595-8	3.5	3
13	Stimuli-Responsive Amphiphilic Pillar[5]arene Nanovesicles for Targeted Delivery of Cancer Drugs. <i>ACS Omega</i> , <b>2021</b> , 6, 25876-25883	3.9	3
12	Identification of ligands that target the HCV-E2 binding site on CD81. <i>Journal of Computer-Aided Molecular Design</i> , <b>2013</b> , 27, 337-46	4.2	2
11	Influence of "glow discharge plasma" as an external stimulus on the self-assembly, morphology and binding affinity of gold nanoparticle-streptavidin conjugates. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 6534-47	6.3	2
10	Production and characterization of antibodies against C-terminal peptide of protein F1: a novel phosphorylation at serine 209 of the peptide by protein kinase C. <i>Neurochemical Research</i> , <b>1994</b> , 19, 275-82	4.6	2
9	Gene doping. <i>Handbook of Experimental Pharmacology</i> , <b>2010</b> , 485-512	3.2	2
8	Monitoring of Cobalt and Cadmium in Daily Cosmetics Using Powder and Paper Optical Chemosensors.. <i>ACS Omega</i> , <b>2022</b> , 7, 15739-15750	3.9	2
7	Nanoparticle-based detection of cancer-associated RNA. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2014</b> , 6, 384-97	9.2	1
6	Multicenter evaluation of the Abbott AxSYM procainamide and N-acetylprocainamide assays: comparison with Abbott TDx/TDxFLx, Syva EMIT 2000, DuPont ACA, and HPLC methods. <i>Clinical Biochemistry</i> , <b>1998</b> , 31, 55-8	3.5	1
5	Letter to the Editor   Clinical Biochemistry - Volume 40, Issues 1-4. <i>Clinical Biochemistry</i> , <b>2007</b> , 40, 144-145	3.5	1
4	LC-MS/MS Determination of Lactobionic Acid: Application to Assessment of Nanoparticle Functionalization. <i>Analytical Chemistry Letters</i> , <b>2020</b> , 10, 272-279	1	0

3 10. Natriuretic peptides **2014**, 181-194

2 Gold Nanoparticles in Biomedicine **2011**, 53-87

1 Fast detection of bacterial contamination in fresh produce using FTIR and spectral classification..  
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