

Hassan M Azzazy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8161307/publications.pdf>

Version: 2024-02-01

99
papers

4,544
citations

101543

36
h-index

106344

65
g-index

101
all docs

101
docs citations

101
times ranked

6176
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of neuronal networks on multielectrode arrays as biosensors. <i>Biosensors and Bioelectronics</i> , 1995, 10, 553-567.	10.1	352
2	Phage display technology: clinical applications and recent innovations. <i>Clinical Biochemistry</i> , 2002, 35, 425-445.	1.9	273
3	From diagnostics to therapy: Prospects of quantum dots. <i>Clinical Biochemistry</i> , 2007, 40, 917-927.	1.9	239
4	Novel hierarchical composite adsorbent for selective lead(II) ions capturing from wastewater samples. <i>Chemical Engineering Journal</i> , 2018, 332, 377-386.	12.7	201
5	Novel nano-conjugate materials for effective arsenic(V) and phosphate capturing in aqueous media. <i>Chemical Engineering Journal</i> , 2018, 331, 54-63.	12.7	185
6	Nanodiagnosics: A New Frontier for Clinical Laboratory Medicine. <i>Clinical Chemistry</i> , 2006, 52, 1238-1246.	3.2	171
7	Gold nanoparticles for molecular diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 2009, 9, 511-524.	3.1	153
8	In vitro diagnostic prospects of nanoparticles. <i>Clinica Chimica Acta</i> , 2009, 403, 1-8.	1.1	124
9	Unbound Free Fatty Acids and Heart-Type Fatty Acidâ€“Binding Protein: Diagnostic Assays and Clinical Applications. <i>Clinical Chemistry</i> , 2006, 52, 19-29.	3.2	118
10	High concentration honey chitosan electrospun nanofibers: Biocompatibility and antibacterial effects. <i>Carbohydrate Polymers</i> , 2015, 122, 135-143.	10.2	112
11	Challenges in the determination of aminoglycoside antibiotics, a review. <i>Analytica Chimica Acta</i> , 2015, 890, 21-43.	5.4	107
12	Direct detection of unamplified hepatitis C virus RNA using unmodified gold nanoparticles. <i>Clinical Biochemistry</i> , 2010, 43, 1163-1168.	1.9	104
13	Optical metal-organic framework sensor for selective discrimination of some toxic metal ions in water. <i>Analytica Chimica Acta</i> , 2013, 793, 90-98.	5.4	103
14	How successful is nuclear targeting by nanocarriers?. <i>Journal of Controlled Release</i> , 2016, 229, 140-153.	9.9	91
15	Is Low Alveolar Type II Cell <i>SOD3</i> in the Lungs of Elderly Linked to the Observed Severity of COVID-19?. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 59-65.	5.4	83
16	Chitosan Nanoparticles for Nuclear Targeting: The Effect of Nanoparticle Size and Nuclear Localization Sequence Density. <i>Molecular Pharmaceutics</i> , 2015, 12, 4277-4289.	4.6	79
17	Phage approved in food, why not as a therapeutic?. <i>Expert Review of Anti-Infective Therapy</i> , 2015, 13, 91-101.	4.4	74
18	Hepatitis B virus genotyping: current methods and clinical implications. <i>International Journal of Infectious Diseases</i> , 2010, 14, e941-e953.	3.3	73

#	ARTICLE	IF	CITATIONS
19	Gold nanoparticles in the clinical laboratory: principles of preparation and applications. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 193-209.	2.3	72
20	Gold nanoparticle-based fluorescence immunoassay for malaria antigen detection. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1019-1027.	3.7	69
21	Direct detection of hyaluronidase in urine using cationic gold nanoparticles: A potential diagnostic test for bladder cancer. <i>Biosensors and Bioelectronics</i> , 2014, 54, 7-14.	10.1	67
22	Unmodified gold nanoparticles for direct and rapid detection of <i>Mycobacterium tuberculosis</i> complex. <i>Clinical Biochemistry</i> , 2013, 46, 633-637.	1.9	60
23	Power-free chip enzyme immunoassay for detection of prostate specific antigen (PSA) in serum. <i>Biosensors and Bioelectronics</i> , 2013, 49, 478-484.	10.1	57
24	Cardiac markers of acute coronary syndromes: is there a case for point-of-care testing?. <i>Clinical Biochemistry</i> , 2002, 35, 13-27.	1.9	56
25	Doping in the recombinant era: Strategies and counterstrategies. <i>Clinical Biochemistry</i> , 2005, 38, 959-965.	1.9	54
26	Green Synthesis of Platinum and Palladium Nanoparticles Using <i>Peganum harmala</i> L. Seed Alkaloids: Biological and Computational Studies. <i>Nanomaterials</i> , 2021, 11, 965.	4.1	54
27	Cardiac point of care testing: A focused review of current National Academy of Clinical Biochemistry guidelines and measurement platforms. <i>Clinical Biochemistry</i> , 2009, 42, 150-157.	1.9	53
28	The effect of increasing honey concentration on the properties of the honey/polyvinyl alcohol/chitosan nanofibers. <i>Materials Science and Engineering C</i> , 2016, 67, 276-284.	7.3	51
29	Platinum Nanoparticles: Green Synthesis and Biomedical Applications. <i>Molecules</i> , 2020, 25, 4981.	3.8	49
30	Apitherapeutics and phage-loaded nanofibers as wound dressings with enhanced wound healing and antibacterial activity. <i>Nanomedicine</i> , 2017, 12, 2055-2067.	3.3	48
31	Palladium Nanoparticles Fabricated by Green Chemistry: Promising Chemotherapeutic, Antioxidant and Antimicrobial Agents. <i>Materials</i> , 2020, 13, 3661.	2.9	48
32	Standardization of Creatine Kinase-MB (CK-MB) Mass Assays: The Use of Recombinant CK-MB as a Reference Material. <i>Clinical Chemistry</i> , 1999, 45, 1414-1423.	3.2	47
33	A novel and potential chemical sensor for effective monitoring of Fe(II) ion in corrosion systems of water samples. <i>Microchemical Journal</i> , 2020, 154, 104578.	4.5	44
34	Quantum dots: heralding a brighter future for clinical diagnostics. <i>Nanomedicine</i> , 2012, 7, 1755-1769.	3.3	40
35	Hepatitis C virus RNA assays: current and emerging technologies and their clinical applications. <i>Expert Review of Molecular Diagnostics</i> , 2011, 11, 53-64.	3.1	39
36	Fabrication of pomegranate/honey nanofibers for use as antibacterial wound dressings. <i>Wound Medicine</i> , 2020, 28, 100181.	2.7	39

#	ARTICLE	IF	CITATIONS
37	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> , 2000, 294, 115-128.	1.1	37
38	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> , 2010, 56, 633-641.	3.2	35
39	Biodegradable Particulate Carrier Formulation and Tuning for Targeted Drug Delivery. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 555-577.	1.1	34
40	Direct detection of unamplified hepatoma upregulated protein RNA in urine using gold nanoparticles for bladder cancer diagnosis. <i>Clinical Biochemistry</i> , 2014, 47, 104-110.	1.9	33
41	Liposome Photosensitizer Formulations for Effective Cancer Photodynamic Therapy. <i>Pharmaceutics</i> , 2021, 13, 1345.	4.5	33
42	Gene doping: Of mice and men. <i>Clinical Biochemistry</i> , 2009, 42, 435-441.	1.9	32
43	Chitosan-Coated PLGA Nanoparticles Loaded with Peganum harmala Alkaloids with Promising Antibacterial and Wound Healing Activities. <i>Nanomaterials</i> , 2021, 11, 2438.	4.1	32
44	PEGylated Chitosan Nanoparticles Encapsulating Ascorbic Acid and Oxaliplatin Exhibit Dramatic Apoptotic Effects against Breast Cancer Cells. <i>Pharmaceutics</i> , 2022, 14, 407.	4.5	30
45	Enhanced Anticancer Activity of Nedaplatin Loaded onto Copper Nanoparticles Synthesized Using Red Algae. <i>Pharmaceutics</i> , 2022, 14, 418.	4.5	30
46	Chitosan gold nanoparticles for detection of amplified nucleic acids isolated from sputum. <i>Carbohydrate Polymers</i> , 2017, 164, 57-63.	10.2	28
47	Development of an inhalable, stimuli-responsive particulate system for delivery to deep lung tissue. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 19-30.	5.0	27
48	B-type natriuretic peptide: physiologic role and assay characteristics. <i>Heart Failure Reviews</i> , 2003, 8, 315-320.	3.9	26
49	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> , 2018, 129, 74-79.	4.3	25
50	Peganum harmala Alkaloids Self-Assembled Supramolecular Nanocapsules with Enhanced Antioxidant and Cytotoxic Activities. <i>ACS Omega</i> , 2021, 6, 11954-11963.	3.5	25
51	PLGA/PEG Nanoparticles Loaded with Cyclodextrin-Peganum harmala Alkaloid Complex and Ascorbic Acid with Promising Antimicrobial Activities. <i>Pharmaceutics</i> , 2022, 14, 142.	4.5	25
52	Effect of Surface Charge and Hydrophobicity Modulation on the Antibacterial and Antibiofilm Potential of Magnetic Iron Nanoparticles. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-15.	2.7	24
53	Betaine host-guest complexation with a calixarene receptor: enhanced <i>in vitro</i> anticancer effect. <i>RSC Advances</i> , 2021, 11, 24673-24680.	3.6	24
54	Host-Guest Complexation of Oxaliplatin and Para-Sulfonatocalix[n]Arenes for Potential Use in Cancer Therapy. <i>Molecules</i> , 2020, 25, 5926.	3.8	23

#	ARTICLE	IF	CITATIONS
55	Sustained broad-spectrum antibacterial effects of nanoliposomes loaded with silver nanoparticles. <i>Nanomedicine</i> , 2014, 9, 1301-1310.	3.3	22
56	Positional effect of mutations in 5'UTR of hepatitis C virus 4a on patients' response to therapy. <i>World Journal of Gastroenterology</i> , 2009, 15, 1480.	3.3	22
57	Controlled synthesis and characterization of hollow flower-like silver nanostructures. <i>International Journal of Nanomedicine</i> , 2012, 7, 1543.	6.7	21
58	Ozonated Olive Oil: Enhanced Cutaneous Delivery via Niosomal Nanovesicles for Melanoma Treatment. <i>Antioxidants</i> , 2022, 11, 1318.	5.1	21
59	Experimental and Computational Investigations of Carboplatin Supramolecular Complexes. <i>ACS Omega</i> , 2020, 5, 31456-31466.	3.5	19
60	Nuclear delivery of recombinant OCT4 by chitosan nanoparticles for transgene-free generation of protein-induced pluripotent stem cells. <i>Oncotarget</i> , 2016, 7, 37728-37739.	1.8	19
61	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> , 2014, 9, e111333.	2.5	18
62	A sensitive colorimetric assay for identification of <i>Acinetobacter baumannii</i> using unmodified gold nanoparticles. <i>Journal of Applied Microbiology</i> , 2014, 117, 465-471.	3.1	16
63	A high throughput method for quantification of cell surface bound and internalized chitosan nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 858-866.	7.5	16
64	A single tube system for the detection of <i>Mycobacterium tuberculosis</i> DNA using gold nanoparticles based FRET assay. <i>Journal of Microbiological Methods</i> , 2017, 139, 165-167.	1.6	16
65	Association of Single Nucleotide Polymorphisms in <i>CFH</i> , <i>ARMS2</i> and <i>HTRA1</i> Genes with Risk of Age-related Macular Degeneration in Egyptian Patients. <i>Ophthalmic Genetics</i> , 2013, 34, 209-216.	1.2	15
66	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> , 2007, 384, 176-178.	1.1	13
67	Stimuli-Responsive Amphiphilic Pillar[6]arene Nanovesicles for Targeted Delivery of Cancer Drugs. <i>ACS Omega</i> , 2021, 6, 25876-25883.	3.5	13
68	Abbott AxSYM Vancomycin II Assay: Multicenter Evaluation and Interference Studies. <i>Therapeutic Drug Monitoring</i> , 1998, 20, 202-208.	2.0	13
69	Rogue athletes and recombinant DNA technology: challenges for doping control. <i>Analyst</i> , 2007, 132, 951.	3.5	12
70	Clinical laboratory data: acquire, analyze, communicate, liberate. <i>Clinica Chimica Acta</i> , 2015, 438, 186-194.	1.1	12
71	Nanodiagnostics for tuberculosis detection. <i>Expert Review of Molecular Diagnostics</i> , 2017, 17, 427-443.	3.1	12
72	Synthesis, Characterization and Host-Guest Complexation of Asplatin: Improved In Vitro Cytotoxicity and Biocompatibility as Compared to Cisplatin. <i>Pharmaceuticals</i> , 2022, 15, 259.	3.8	12

#	ARTICLE	IF	CITATIONS
73	The hunt for gene dopers. <i>Drug Testing and Analysis</i> , 2009, 1, 311-322.	2.6	11
74	Fourier transform infrared spectroscopy for in-process inspection, counterfeit detection and quality control of anti-diabetic drugs. <i>Spectroscopy</i> , 2011, 26, 297-309.	0.8	11
75	Silver Nanostructures: Properties, Synthesis, and Biosensor Applications. <i>ACS Symposium Series</i> , 2012, , 359-404.	0.5	11
76	Enhanced Antioxidant, Antiviral, and Anticancer Activities of the Extract of Fermented Egyptian Rice Bran Complexed with Hydroxypropyl- β -cyclodextrin. <i>ACS Omega</i> , 2022, 7, 19545-19554.	3.5	10
77	Detection of unamplified HCV RNA in serum using a novel two metallic nanoparticle platform. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 565-72.	2.3	9
78	Detection of <i>Acinetobacter baumannii</i> in fresh produce using modified magnetic nanoparticles and PCR. <i>Analytical Biochemistry</i> , 2020, 609, 113890.	2.4	9
79	Interaction of cationic liposomes with cells of electrically active neuronal networks in culture. <i>Brain Research</i> , 1995, 695, 231-236.	2.2	8
80	Nanogold Assay Improves Accuracy of Conventional TB Diagnostics. <i>Lung</i> , 2019, 197, 241-247.	3.3	8
81	Identification and retrospective validation of T-cell epitopes in the hepatitis C virus genotype 4 proteome. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 2366-2377.	3.3	7
82	Transcriptional Regulatory Networks in Hepatitis C Virus-induced Hepatocellular Carcinoma. <i>Scientific Reports</i> , 2018, 8, 14234.	3.3	7
83	Two-center clinical evaluation of a new automated fluorometric immunoassay for the quantitative analysis of total β -human chorionic gonadotropin. <i>Clinical Biochemistry</i> , 2003, 36, 523-528.	1.9	6
84	Simultaneous determination of sildenafil citrate and some nitric oxide releasing drugs in human plasma using UPLC MS/MS. <i>Clinical Biochemistry</i> , 2014, 47, 654-656.	1.9	6
85	The Prognostic Value of Histidine-Rich Glycoprotein RNA in Breast Tissue Using Unmodified Gold Nanoparticles Assay. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 751-761.	2.9	6
86	Monitoring of Cobalt and Cadmium in Daily Cosmetics Using Powder and Paper Optical Chemosensors. <i>ACS Omega</i> , 2022, 7, 15739-15750.	3.5	6
87	Prognostic MicroRNA Panel for HCV-Associated HCC: Integrating Computational Biology and Clinical Validation. <i>Cancers</i> , 2022, 14, 3036.	3.7	5
88	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> , 1994, 19, 275-282.	3.3	3
89	Performance characteristics of a new myoglobin microparticle enzyme immunoassay: a multicenter evaluation. <i>Clinical Biochemistry</i> , 2000, 33, 595-598.	1.9	3
90	Identification of ligands that target the HCV-E2 binding site on CD81. <i>Journal of Computer-Aided Molecular Design</i> , 2013, 27, 337-346.	2.9	3

#	ARTICLE	IF	CITATIONS
91	Influence of "Glow Discharge Plasma" as an External Stimulus on the Self-Assembly, Morphology and Binding Affinity of Gold Nanoparticle-Streptavidin Conjugates. International Journal of Molecular Sciences, 2012, 13, 6534-6547.	4.1	2
92	Gene Doping. Handbook of Experimental Pharmacology, 2009, , 485-512.	1.8	2
93	Fast detection of bacterial contamination in fresh produce using FTIR and spectral classification. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 277, 121248.	3.9	2
94	Multicenter Evaluation of the Abbott AxSYM Procainamide and N-Acetylprocainamide Assays: Comparison with Abbott TDx/TDxFLx, Syva EMIT 2000, DuPont ACA, and HPLC Methods. Clinical Biochemistry, 1998, 31, 55-58.	1.9	1
95	Letter to the Editor Clinical Biochemistry - Volume 40, Issues 1-2. Clinical Biochemistry, 2007, 40, 144-145.	1.9	1
96	Nanoparticle-based detection of cancer-associated <i>scp</i> RNA. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 384-397.	6.1	1
97	LC-MS/MS Determination of Lactobionic Acid: Application to Assessment of Nanoparticle Functionalization. Analytical Chemistry Letters, 2020, 10, 272-279.	1.0	1
98	Gold Nanoparticles in Biomedicine. , 2011, , 53-87.		0
99	10. Natriuretic peptides. , 2014, , 181-194.		0