

# Abdelwahab Omri

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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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.

108  
papers

3,599  
citations

36  
h-index

57  
g-index

117  
ext. papers

4,223  
ext. citations

5.3  
avg, IF

5.56  
L-index

#	Paper	IF	Citations
108	Nanoparticles-Attractive Carriers of Antimicrobial Essential Oils.. <i>Antibiotics</i> , <b>2022</b> , 11,	4.9	7
107	Development of the immune system in the human embryo.. <i>Pediatric Research</i> , <b>2022</b> ,	3.2	1
106	Development of Antibiofilm Therapeutics Strategies to Overcome Antimicrobial Drug Resistance.. <i>Microorganisms</i> , <b>2022</b> , 10,	4.9	11
105	Antimicrobial Nanomaterials for Food Packaging. <i>Antibiotics</i> , <b>2022</b> , 11, 729	4.9	5
104	Cellulosic Polymers for Enhancing Drug Bioavailability in Ocular Drug Delivery Systems. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	10
103	Recent advancements in cellulose-based biomaterials for management of infected wounds. <i>Expert Opinion on Drug Delivery</i> , <b>2021</b> , 18, 1741-1760	8	2
102	Evaluation of the Partial Replacement of Dietary Fish Meal With Fermented or Untreated Soybean Meal in Juvenile Silver Barb,. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 733402	6.2	1
101	Heavy metal toxicity in Buriganga river alters the immunology of Nile tilapia ( L). <i>Heliyon</i> , <b>2021</b> , 7, e08285.6		1
100	Metallic nanoparticles as drug delivery system for the treatment of cancer. <i>Expert Opinion on Drug Delivery</i> , <b>2021</b> , 18, 1261-1290	8	15
99	Status of inhalable antimicrobial agents for lung infection: progress and prospects. <i>Expert Review of Respiratory Medicine</i> , <b>2021</b> , 15, 1251-1270	3.8	1
98	Demonstration of Advanced Data Mining Tools for Optimization of Pellets Employing Modified Extrusion-pelletization Technique. <i>Current Drug Therapy</i> , <b>2021</b> , 16, 154-169	0.7	
97	Management of epileptic disorders using nanotechnology-based strategies for nose-to-brain drug delivery. <i>Expert Opinion on Drug Delivery</i> , <b>2021</b> , 18, 169-185	8	9
96	Current and novel therapeutic strategies for the management of cystic fibrosis. <i>Expert Opinion on Drug Delivery</i> , <b>2021</b> , 18, 535-552	8	5
95	Design and Encapsulation of Immunomodulators onto Gold Nanoparticles in Cancer Immunotherapy. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
94	Intervention of 3D printing in health care: transformation for sustainable development. <i>Expert Opinion on Drug Delivery</i> , <b>2021</b> , 18, 1659-1672	8	1
93	Chitosan Nanoparticles-Insight into Properties, Functionalization and Applications in Drug Delivery and Theranostics. <i>Molecules</i> , <b>2021</b> , 26,	4.8	49
92	Appraisal of different levels of soybean meal in diets on growth, digestive enzyme activity, antioxidation, and gut histology of tilapia ( <i>Oreochromis niloticus</i> ). <i>Fish Physiology and Biochemistry</i> , <b>2020</b> , 46, 1397-1407	2.7	5

91	Macrophage targeted nanocarrier delivery systems in HIV therapeutics. <i>Expert Opinion on Drug Delivery</i> , <b>2020</b> , 17, 903-918	8	4
90	Low stringency tests revealed differential gene expression in red maple ( <i>Acer rubrum</i> ) treated with low doses of nickel. <i>Plant Gene</i> , <b>2020</b> , 24, 100251	3.1	0
89	Emerging therapeutics for the management of COVID 19. <i>Expert Opinion on Emerging Drugs</i> , <b>2020</b> , 25, 337-351	3.7	5
88	Novel therapeutic approaches for targeting TB and HIV reservoirs prevailing in lungs. <i>Expert Opinion on Drug Delivery</i> , <b>2019</b> , 16, 687-699	8	2
87	Selective drug deposition in lungs through pulmonary drug delivery system for effective management of drug-resistant TB. <i>Expert Opinion on Drug Delivery</i> , <b>2019</b> , 16, 525-538	8	8
86	Peritoneal GATA6+ macrophages function as a portal for <i>Staphylococcus aureus</i> dissemination. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 4643-4656	15.9	37
85	Antibacterial Properties of Graphene Based Nanomaterials: An Emphasis on Molecular Mechanisms, Surface Engineering and Size of Sheets. <i>Mini-Reviews in Organic Chemistry</i> , <b>2019</b> , 16, 159-172	1.7	9
84	Approaches for CNS delivery of drugs - nose to brain targeting of antiretroviral agents as a potential attempt for complete elimination of major reservoir site of HIV to aid AIDS treatment. <i>Expert Opinion on Drug Delivery</i> , <b>2019</b> , 16, 287-300	8	17
83	Analysis of gene expression in red maple ( <i>Acer rubrum</i> ) and trembling aspen ( <i>Populus tremuloides</i> ) populations from a mining region. <i>Genes and Genomics</i> , <b>2018</b> , 40, 1127-1136	2.1	3
82	Targeting tumor microenvironment to curb chemoresistance via novel drug delivery strategies. <i>Expert Opinion on Drug Delivery</i> , <b>2018</b> , 15, 641-663	8	5
81	Development and evaluation of Chitosan nanoparticles based dry powder inhalation formulations of Prothionamide. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190976	3.7	48
80	Process Variables and Design of Experiments in Liposome and Nanoliposome Research. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2018</b> , 18, 324-344	3.2	20
79	Development of Sustained Release Pellets of Galantamine HBr by Extrusion Spheronization Technique Incorporating Risk based QbD Approach. <i>Research Journal of Pharmacy and Technology</i> , <b>2018</b> , 11, 4899	1.7	3
78	Polymeric Lipid Hybrid Nanoparticles: Properties and Therapeutic Applications. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , <b>2018</b> , 35, 555-588	2.8	13
77	Variation in whole DNA methylation in red maple ( <i>Acer rubrum</i> ) populations from a mining region: association with metal contamination and cation exchange capacity (CEC) in podzolic soils. <i>Ecotoxicology</i> , <b>2017</b> , 26, 405-414	2.9	5
76	Development and validation of reversed-phase HPLC gradient method for the estimation of efavirenz in plasma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174777	3.7	7
75	PLGA Ethionamide Nanoparticles for Pulmonary Delivery: Development and in vivo evaluation of dry powder inhaler. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 145, 854-859	3.5	31
74	Functionalized and graft copolymers of chitosan and its pharmaceutical applications. <i>Expert Opinion on Drug Delivery</i> , <b>2017</b> , 14, 1189-1204	8	43

73	Potential applications of nanoparticles in cancer immunotherapy. <i>Human Vaccines and Immunotherapeutics</i> , <b>2017</b> , 13, 63-74	4.4	27
72	Systematic Approach for the Formulation and Optimization of Solid Lipid Nanoparticles of Efavirenz by High Pressure Homogenization Using Design of Experiments for Brain Targeting and Enhanced Bioavailability. <i>BioMed Research International</i> , <b>2017</b> , 2017, 5984014	3	75
71	The role of formate in combatting oxidative stress. <i>Antonie Van Leeuwenhoek</i> , <b>2016</b> , 109, 263-71	2.1	27
70	Identification and treatment of the Staphylococcus aureus reservoir in vivo. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 1141-51	16.6	115
69	Large Eddy Simulation Modeling of Non-Premixed Turbulent Oxy-Fuel Combustion Supplied by Three Separated Jets. <i>Combustion Science and Technology</i> , <b>2016</b> , 188, 1220-1238	1.5	3
68	Preparation and evaluation of nanoparticles loaded ophthalmic in situ gel. <i>Drug Delivery</i> , <b>2016</b> , 23, 2363-2370	31	
67	Comparative analysis of metal translocation in red maple ( <i>Acer rubrum</i> ) and trembling aspen ( <i>Populus tremuloides</i> ) populations from stressed ecosystems contaminated with metals. <i>Chemistry and Ecology</i> , <b>2016</b> , 32, 312-323	2.3	23
66	Nasal and pulmonary vaccine delivery using particulate carriers. <i>Expert Opinion on Drug Delivery</i> , <b>2015</b> , 12, 993-1008	8	37
65	Formulation and evaluation of floating tablet of H2-receptor antagonist. <i>Drug Development and Industrial Pharmacy</i> , <b>2015</b> , 41, 1499-511	3.6	11
64	Pulmonary drug and vaccine delivery: therapeutic significance and major challenges. <i>Expert Opinion on Drug Delivery</i> , <b>2015</b> , 12, 853-5	8	1
63	Antimicrobial properties of liposomal azithromycin for Pseudomonas infections in cystic fibrosis patients. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 784-96	5.1	29
62	Molecular analysis of red maple ( <i>Acer rubrum</i> ) populations from a reclaimed mining region in Northern Ontario (Canada): soil metal accumulation and translocation in plants. <i>Ecotoxicology</i> , <b>2015</b> , 24, 636-47	2.9	17
61	Mechanism of fibroblast inflammatory responses to Pseudomonas aeruginosa elastase. <i>Microbiology (United Kingdom)</i> , <b>2014</b> , 160, 547-555	2.9	6
60	Fumarate metabolism and ATP production in Pseudomonas fluorescens exposed to nitrosative stress. <i>Antonie Van Leeuwenhoek</i> , <b>2014</b> , 106, 431-8	2.1	10
59	Liposomal antibiotics for the treatment of infectious diseases. <i>Expert Opinion on Drug Delivery</i> , <b>2013</b> , 10, 1515-32	8	48
58	Therapeutic effect of liposomal-N-acetylcysteine against acetaminophen-induced hepatotoxicity. <i>Journal of Drug Targeting</i> , <b>2013</b> , 21, 466-73	5.4	19
57	Efficacy of liposomal bismuth-ethanedithiol-loaded tobramycin after intratracheal administration in rats with pulmonary Pseudomonas aeruginosa infection. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 569-78	5.9	38
56	Hydrogen peroxide stress provokes a metabolic reprogramming in Pseudomonas fluorescens: enhanced production of pyruvate. <i>Journal of Biotechnology</i> , <b>2013</b> , 167, 309-15	3.7	42

55	Efficacy and safety of liposomal clarithromycin and its effect on <i>Pseudomonas aeruginosa</i> virulence factors. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2694-704	5.9	86
54	Formulation strategies to improve the bioavailability of poorly absorbed drugs with special emphasis on self-emulsifying systems. <i>ISRN Pharmaceutics</i> , <b>2013</b> , 2013, 848043		143
53	Co-administration of aqueous ginseng extract with tobramycin stimulates the pro-inflammatory response and promotes the killing of <i>Pseudomonas aeruginosa</i> in the lungs of infected rats. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2013</b> , 91, 935-40	2.4	5
52	Liposomal encapsulation of vancomycin improves killing of methicillin-resistant <i>Staphylococcus aureus</i> in a murine infection model. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 2191-4	5.1	58
51	Treatment of ricin A-chain-induced hepatotoxicity with liposome-encapsulated N-acetylcysteine. <i>Journal of Drug Targeting</i> , <b>2011</b> , 19, 821-9	5.4	20
50	Bismuth-ethanedithiol incorporated in a liposome-loaded tobramycin formulation modulates the alginate levels in mucoid <i>Pseudomonas aeruginosa</i> . <i>Journal of Pharmacy and Pharmacology</i> , <b>2011</b> , 63, 999-1007	4.8	22
49	Ginseng aqueous extract attenuates the production of virulence factors, stimulates twitching and adhesion, and eradicates biofilms of <i>Pseudomonas aeruginosa</i> . <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2011</b> , 89, 419-27	2.4	16
48	Attenuation of <i>Pseudomonas aeruginosa</i> virulence factors and biofilms by co-encapsulation of bismuth-ethanedithiol with tobramycin in liposomes. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2010</b> , 65, 684-93	5.1	60
47	Characterization of the interaction between liposomal formulations and <i>Pseudomonas aeruginosa</i> . <i>Journal of Liposome Research</i> , <b>2010</b> , 20, 134-46	6.1	14
46	The effect of aminoglycoside antibiotics on the thermodynamic properties of liposomal vesicles. <i>Journal of Liposome Research</i> , <b>2010</b> , 20, 84-96	6.1	5
45	Effectiveness of liposomal paclitaxel against MCF-7 breast cancer cells. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2010</b> , 88, 1172-80	2.4	18
44	Activity and interactions of liposomal antibiotics in presence of polyanions and sputum of patients with cystic fibrosis. <i>PLoS ONE</i> , <b>2009</b> , 4, e5724	3.7	44
43	Bismuth-thiol incorporation enhances biological activities of liposomal tobramycin against bacterial biofilm and quorum sensing molecules production by <i>Pseudomonas aeruginosa</i> . <i>International Journal of Pharmaceutics</i> , <b>2009</b> , 373, 141-6	6.5	53
42	Importance of DNase and alginate lyase for enhancing free and liposome encapsulated aminoglycoside activity against <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2009</b> , 64, 317-25	5.1	123
41	Role of nanocarrier systems in cancer nanotherapy. <i>Journal of Liposome Research</i> , <b>2009</b> , 19, 310-21	6.1	57
40	Characterization of human septic sera induced gene expression modulation in human myocytes. <i>International Journal of Clinical and Experimental Medicine</i> , <b>2009</b> , 2, 131-48		6
39	Co-encapsulation of gallium with gentamicin in liposomes enhances antimicrobial activity of gentamicin against <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2008</b> , 62, 1291-7	5.1	106
38	Antimicrobial effectiveness of liposomal polymyxin B against resistant Gram-negative bacterial strains. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 355, 293-8	6.5	98

37	Liposomal bismuth-ethanedithiol formulation enhances antimicrobial activity of tobramycin. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 358, 278-84	6.5	33
36	Liposomes as a carrier for gentamicin delivery: development and evaluation of the physicochemical properties. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 359, 254-63	6.5	31
35	Effectiveness of liposomal-N-acetylcysteine against LPS-induced lung injuries in rodents. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 363, 106-11	6.5	47
34	Prophylactic effect of liposomal N-acetylcysteine against LPS-induced liver injuries. <i>Journal of Endotoxin Research</i> , <b>2007</b> , 13, 297-304		22
33	Importance of divalent cations in nanolipoplex gene delivery. <i>Journal of Pharmaceutical Sciences</i> , <b>2007</b> , 96, 1955-66	3.9	18
32	Numerical investigation on optimization of a solar distiller dimensions. <i>Desalination</i> , <b>2007</b> , 206, 373-379	10.3	21
31	A numerical model for the simulation of double-diffusive natural convection in a triangular cavity using equal order and control volume based on the finite element method. <i>Desalination</i> , <b>2007</b> , 206, 579-588	10.3	21
30	Microscopical investigations of nisin-loaded nanoliposomes prepared by Mozafari method and their bacterial targeting. <i>Micron</i> , <b>2007</b> , 38, 841-7	2.3	144
29	Bactericidal efficacy of liposomal aminoglycosides against Burkholderia cenocepacia. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2007</b> , 60, 760-9	5.1	59
28	Recent trends in the lipid-based nanoencapsulation of antioxidants and their role in foods. <i>Journal of the Science of Food and Agriculture</i> , <b>2006</b> , 86, 2038-2045	4.3	211
27	Mechanism of enhanced activity of liposome-entrapped aminoglycosides against resistant strains of Pseudomonas aeruginosa. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 2016-22	5.9	124
26	Antibacterial activity of liposomal gentamicin against Pseudomonas aeruginosa: a time-kill study. <i>International Journal of Antimicrobial Agents</i> , <b>2006</b> , 27, 247-52	14.3	68
25	Preparation and characterization of dehydration-rehydration vesicles loaded with aminoglycoside and macrolide antibiotics. <i>International Journal of Pharmaceutics</i> , <b>2006</b> , 307, 244-50	6.5	57
24	The Role of Liposomal Antioxidants in Oxidative Stress <b>2006</b> , 191-205		1
23	Liposome-mediated gentamicin delivery: development and activity against resistant strains of Pseudomonas aeruginosa isolated from cystic fibrosis patients. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2005</b> , 55, 269-71	5.1	85
22	Antimicrobial efficacy of a new antibiotic-loaded poly(hydroxybutyric-co-hydroxyvaleric acid) controlled release system. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2004</b> , 54, 1013-8	5.1	81
21	The effect of different lipid components on the in vitro stability and release kinetics of liposome formulations. <i>Drug Delivery</i> , <b>2004</b> , 11, 33-9	7	154
20	Disposition of 3H-cholesteryl ether labeled liposomes following intravenous administration to mice: comparison with an encapsulated 14C-inulin as aqueous phase marker. <i>Drug Delivery</i> , <b>2003</b> , 10, 193-200	7	4

19	Short-term repeated-dose toxicity profile of archaeosomes administered to mice via intravenous and oral routes. <i>International Journal of Toxicology</i> , <b>2003</b> , 22, 9-23	2.4	50
18	Enhanced activity of liposomal polymyxin B against <i>Pseudomonas aeruginosa</i> in a rat model of lung infection. <i>Biochemical Pharmacology</i> , <b>2002</b> , 64, 1407-13	6	104
17	Safety of archaeosome adjuvants evaluated in a mouse model. <i>Journal of Liposome Research</i> , <b>2002</b> , 12, 353-72	6.1	37
16	<i>Pseudomonas aeruginosa</i> -induced lung injury: role of oxidative stress. <i>Microbial Pathogenesis</i> , <b>2002</b> , 32, 27-34	3.8	40
15	Influence of coenzyme Q10 on tissue distribution of archaeosomes, and pegylated archaeosomes, administered to mice by oral and intravenous routes. <i>Journal of Drug Targeting</i> , <b>2000</b> , 7, 383-92	5.4	15
14	Incorporation rates, stabilities, cytotoxicities and release of liposomal tetracycline and doxycycline in human serum. <i>Journal of Antimicrobial Chemotherapy</i> , <b>1998</b> , 42, 831-4	5.1	17
13	Preparation, properties and the effects of amikacin, netilmicin and tobramycin in free and liposomal formulations on Gram-negative and Gram-positive bacteria. <i>International Journal of Antimicrobial Agents</i> , <b>1996</b> , 7, 9-14	14.3	25
12	Serotyping clinical isolates of <i>Pseudomonas aeruginosa</i> in relation to infection site antibiotic susceptibility and beta-lactamase production. <i>International Journal of Antimicrobial Agents</i> , <b>1996</b> , 7, 65-8 <sup>14.3</sup>	4	
11	Comparison of the bactericidal action of amikacin, netilmicin and tobramycin in free and liposomal formulation against <i>Pseudomonas aeruginosa</i> . <i>Chemotherapy</i> , <b>1996</b> , 42, 170-6	3.2	21
10	Incorporation, release and in-vitro antibacterial activity of liposomal aminoglycosides against <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>1995</b> , 36, 631-9	5.1	28
9	Pulmonary retention of free and liposome-encapsulated tobramycin after intratracheal administration in uninfected rats and rats infected with <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>1994</b> , 38, 1090-5	5.9	79
8	Platelet-induced vasomotion of isolated canine coronary artery in the presence of halothane or isoflurane. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>1994</b> , 8, 175-81	2.1	8
7	Mechanism of halothane attenuation of isometric tension induced by serotonin in isolated canine coronary artery rings. <i>Journal of Cardiovascular Pharmacology</i> , <b>1992</b> , 20, 445-50	3.1	1
6	Low molecular weight heparin Novo (LHN-1) does not cross the placenta during the second trimester of pregnancy. <i>Thrombosis and Haemostasis</i> , <b>1989</b> , 61, 55-6	7	16
5	Low Molecular Weight Heparin Novo (LHN-1) Does Not Cross the Placenta During the Second Trimester of Pregnancy. <i>Thrombosis and Haemostasis</i> , <b>1989</b> , 61, 055-056	7	70
4	Fibrinolytic and Anticoagulant Activity After a Single Subcutaneous Administration of a Low Dose of Heparin or a Low Molecular Weight Heparin-Dihydroergotamine Combination. <i>Thrombosis and Haemostasis</i> , <b>1988</b> , 59, 388-391	7	11
3	Histidine-Rich Glycoprotein During Pregnancy. <i>Thrombosis and Haemostasis</i> , <b>1988</b> , 59, 341-341	7	5
2	Drugs repurposing for SARS-CoV-2: new insight of COVID-19 druggability. <i>Expert Review of Anti-Infective Therapy</i> ,	5.5	

1 Colorectal cancer management: Strategies in drug delivery. *Expert Opinion on Drug Delivery*,

8 o