

Abdelwahab Omri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4355799/publications.pdf>

Version: 2024-02-01

115
papers

4,961
citations

76196

40
h-index

102304

66
g-index

117
all docs

117
docs citations

117
times ranked

5970
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent trends in the lipid-based nanoencapsulation of antioxidants and their role in foods. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 2038-2045.	1.7	254
2	The Effect of Different Lipid Components on the In Vitro Stability and Release Kinetics of Liposome Formulations. <i>Drug Delivery</i> , 2004, 11, 33-39.	2.5	199
3	Formulation Strategies to Improve the Bioavailability of Poorly Absorbed Drugs with Special Emphasis on Self-Emulsifying Systems. <i>ISRN Pharmaceutics</i> , 2013, 2013, 1-16.	1.0	194
4	Identification and treatment of the <i>Staphylococcus aureus</i> reservoir in vivo. <i>Journal of Experimental Medicine</i> , 2016, 213, 1141-1151.	4.2	178
5	Microscopical investigations of nisin-loaded nanoliposomes prepared by Mozafari method and their bacterial targeting. <i>Micron</i> , 2007, 38, 841-847.	1.1	175
6	Mechanism of Enhanced Activity of Liposome-Entrapped Aminoglycosides against Resistant Strains of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2016-2022.	1.4	144
7	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> , 2009, 64, 317-325.	1.3	141
8	Enhanced activity of liposomal polymyxin B against <i>Pseudomonas aeruginosa</i> in a rat model of lung infection. <i>Biochemical Pharmacology</i> , 2002, 64, 1407-1413.	2.0	128
9	Chitosan Nanoparticles-Insight into Properties, Functionalization and Applications in Drug Delivery and Theranostics. <i>Molecules</i> , 2021, 26, 272.	1.7	128
10	Antimicrobial effectiveness of liposomal polymyxin B against resistant Gram-negative bacterial strains. <i>International Journal of Pharmaceutics</i> , 2008, 355, 293-298.	2.6	126
11	Co-encapsulation of gallium with gentamicin in liposomes enhances antimicrobial activity of gentamicin against <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 1291-1297.	1.3	120
12	Efficacy and Safety of Liposomal Clarithromycin and Its Effect on <i>Pseudomonas aeruginosa</i> Virulence Factors. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2694-2704.	1.4	108
13	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> , 2017, 2017, 1-18.	0.9	106
14	Liposome-mediated gentamicin delivery: development and activity against resistant strains of <i>Pseudomonas aeruginosa</i> isolated from cystic fibrosis patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 55, 269-271.	1.3	104
15	Low Molecular Weight Heparin Novo (LHN-1) Does Not Cross the Placenta During the Second Trimester of Pregnancy. <i>Thrombosis and Haemostasis</i> , 1989, 61, 055-056.	1.8	92
16	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> , 1994, 38, 1090-1095.	1.4	90
17	Antimicrobial efficacy of a new antibiotic-loaded poly(hydroxybutyric-co-hydroxyvaleric acid) controlled release system. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 54, 1013-1018.	1.3	88
18	Antibacterial activity of liposomal gentamicin against <i>Pseudomonas aeruginosa</i> : a time-kill study. <i>International Journal of Antimicrobial Agents</i> , 2006, 27, 247-252.	1.1	82

#	ARTICLE	IF	CITATIONS
19	Development and evaluation of Chitosan nanoparticles based dry powder inhalation formulations of Prothionamide. PLoS ONE, 2018, 13, e0190976.	1.1	82
20	Liposomal encapsulation of vancomycin improves killing of methicillin-resistant Staphylococcus aureus in a murine infection model. Journal of Antimicrobial Chemotherapy, 2012, 67, 2191-2194.	1.3	76
21	Role of nanocarrier systems in cancer nanotherapy. Journal of Liposome Research, 2009, 19, 310-321.	1.5	75
22	Attenuation of Pseudomonas aeruginosa virulence factors and biofilms by co-encapsulation of bismuth-ethanedithiol with tobramycin in liposomes. Journal of Antimicrobial Chemotherapy, 2010, 65, 684-693.	1.3	70
23	Bactericidal efficacy of liposomal aminoglycosides against Burkholderia cenocepacia. Journal of Antimicrobial Chemotherapy, 2007, 60, 760-769.	1.3	69
24	Metallic nanoparticles as drug delivery system for the treatment of cancer. Expert Opinion on Drug Delivery, 2021, 18, 1261-1290.	2.4	69
25	Functionalized and graft copolymers of chitosan and its pharmaceutical applications. Expert Opinion on Drug Delivery, 2017, 14, 1189-1204.	2.4	68
26	Preparation and characterization of dehydration-rehydration vesicles loaded with aminoglycoside and macrolide antibiotics. International Journal of Pharmaceutics, 2006, 307, 244-250.	2.6	65
27	Liposomal antibiotics for the treatment of infectious diseases. Expert Opinion on Drug Delivery, 2013, 10, 1515-1532.	2.4	64
28	Peritoneal GATA6+ macrophages function as a portal for Staphylococcus aureus dissemination. Journal of Clinical Investigation, 2019, 129, 4643-4656.	3.9	60
29	Bismuth-thiol incorporation enhances biological activities of liposomal tobramycin against bacterial biofilm and quorum sensing molecules production by Pseudomonas aeruginosa. International Journal of Pharmaceutics, 2009, 373, 141-146.	2.6	58
30	Effectiveness of liposomal-N-acetylcysteine against LPS-induced lung injuries in rodents. International Journal of Pharmaceutics, 2008, 363, 106-111.	2.6	56
31	Short-Term Repeated-Dose Toxicity Profile of Archaeosomes Administered to Mice via Intravenous and Oral Routes. International Journal of Toxicology, 2003, 22, 9-23.	0.6	55
32	Preparation and evaluation of nanoparticles loaded ophthalmic <i>in situ</i> gel. Drug Delivery, 2016, 23, 2363-2370.	2.5	55
33	Activity and Interactions of Liposomal Antibiotics in Presence of Polyanions and Sputum of Patients with Cystic Fibrosis. PLoS ONE, 2009, 4, e5724.	1.1	52
34	Efficacy of Liposomal Bismuth-Ethanedithiol-Loaded Tobramycin after Intratracheal Administration in Rats with Pulmonary Pseudomonas aeruginosa Infection. Antimicrobial Agents and Chemotherapy, 2013, 57, 569-578.	1.4	48
35	Hydrogen peroxide stress provokes a metabolic reprogramming in Pseudomonas fluorescens: Enhanced production of pyruvate. Journal of Biotechnology, 2013, 167, 309-315.	1.9	48
36	PLGA Ethionamide Nanoparticles for Pulmonary Delivery: Development and in vivo evaluation of dry powder inhaler. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 854-859.	1.4	47

#	ARTICLE	IF	CITATIONS
37	Nanoparticles as Attractive Carriers of Antimicrobial Essential Oils. <i>Antibiotics</i> , 2022, 11, 108.	1.5	46
38	Nasal and pulmonary vaccine delivery using particulate carriers. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 993-1008.	2.4	45
39	<i>Pseudomonas aeruginosa</i> -induced lung injury: role of oxidative stress. <i>Microbial Pathogenesis</i> , 2002, 32, 27-34.	1.3	44
40	Antimicrobial properties of liposomal azithromycin for <i>Pseudomonas</i> infections in cystic fibrosis patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 784-796.	1.3	42
41	The role of formate in combatting oxidative stress. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 263-271.	0.7	42
42	Development of Antibiofilm Therapeutics Strategies to Overcome Antimicrobial Drug Resistance. <i>Microorganisms</i> , 2022, 10, 303.	1.6	42
43	SAFETY OF ARCHAESOME ADJUVANTS EVALUATED IN A MOUSE MODEL*. <i>Journal of Liposome Research</i> , 2002, 12, 353-372.	1.5	40
44	Antimicrobial Nanomaterials for Food Packaging. <i>Antibiotics</i> , 2022, 11, 729.	1.5	40
45	Liposomes as a carrier for gentamicin delivery: Development and evaluation of the physicochemical properties. <i>International Journal of Pharmaceutics</i> , 2008, 359, 254-263.	2.6	39
46	Liposomal bismuth-ethanedithiol formulation enhances antimicrobial activity of tobramycin. <i>International Journal of Pharmaceutics</i> , 2008, 358, 278-284.	2.6	37
47	Incorporation, release and in-vitro antibacterial activity of liposomal aminoglycosides against <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 1995, 36, 631-639.	1.3	36
48	Cellulosic Polymers for Enhancing Drug Bioavailability in Ocular Drug Delivery Systems. <i>Pharmaceutics</i> , 2021, 14, 1201.	1.7	36
49	Potential applications of nanoparticles in cancer immunotherapy. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 63-74.	1.4	35
50	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> , 2016, 32, 312-323.	0.6	33
51	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> , 1996, 7, 9-14.	1.1	32
52	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> , 2011, 63, 999-1007.	1.2	30
53	Management of epileptic disorders using nanotechnology-based strategies for nose-to-brain drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 169-185.	2.4	30
54	Comparison of the Bactericidal Action of Amikacin, Netilmicin and Tobramycin in Free and Liposomal Formulation against <i>Pseudomonas aeruginosa</i> . <i>Chemotherapy</i> , 1996, 42, 170-176.	0.8	29

#	ARTICLE	IF	CITATIONS
55	Numerical investigation on optimization of a solar distiller dimensions. <i>Desalination</i> , 2007, 206, 373-379.	4.0	28
56	Process Variables and Design of Experiments in Liposome and Nanoliposome Research. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018, 18, 324-344.	1.1	28
57	Polymeric Lipid Hybrid Nanoparticles: Properties and Therapeutic Applications. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2018, 35, 555-588.	1.2	27
58	Therapeutic effect of liposomal-N-acetylcysteine against acetaminophen-induced hepatotoxicity. <i>Journal of Drug Targeting</i> , 2013, 21, 466-473.	2.1	26
59	Importance of divalent cations in nanolipoplex gene delivery. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 1955-1966.	1.6	25
60	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> , 2007, 206, 579-588.	4.0	25
61	Treatment of ricin A-chain-induced hepatotoxicity with liposome-encapsulated N-acetylcysteine. <i>Journal of Drug Targeting</i> , 2011, 19, 821-829.	2.1	24
62	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> , 2020, 46, 1397-1407.	0.9	24
63	Incorporation rates, stabilities, cytotoxicities and release of liposomal tetracycline and doxycycline in human serum [In Process Citation]. <i>Journal of Antimicrobial Chemotherapy</i> , 1998, 42, 831-834.	1.3	23
64	Prophylactic effect of liposomal N-acetylcysteine against LPS-induced liver injuries. <i>Journal of Endotoxin Research</i> , 2007, 13, 297-304.	2.5	23
65	Effectiveness of liposomal paclitaxel against MCF-7 breast cancer cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010, 88, 1172-1180.	0.7	21
66	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> , 2019, 16, 287-300.	2.4	21
67	Current trends in PLGA based long-acting injectable products: The industry perspective. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 559-576.	2.4	21
68	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> , 1999, 7, 383-392.	2.1	20
69	Characterization of the interaction between liposomal formulations and <i>Pseudomonas aeruginosa</i> . <i>Journal of Liposome Research</i> , 2010, 20, 134-146.	1.5	20
70	Low molecular weight heparin Novo (LHN-1) does not cross the placenta during the second trimester of pregnancy. <i>Thrombosis and Haemostasis</i> , 1989, 61, 55-6.	1.8	19
71	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> , 2011, 89, 419-427.	0.7	18
72	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> , 2015, 24, 636-647.	1.1	17

#	ARTICLE	IF	CITATIONS
73	Formulation and evaluation of floating tablet of H ₂ -receptor antagonist. Drug Development and Industrial Pharmacy, 2015, 41, 1499-1511.	0.9	17
74	Design and Encapsulation of Immunomodulators onto Gold Nanoparticles in Cancer Immunotherapy. International Journal of Molecular Sciences, 2021, 22, 8037.	1.8	17
75	Lanthanide-Doped Upconversion Luminescent Nanoparticles—Evolving Role in Bioimaging, Biosensing, and Drug Delivery. Materials, 2022, 15, 2374.	1.3	15
76	Fibrinolytic and Anticoagulant Activity After a Single Subcutaneous Administration of a Low Dose of Heparin or a Low Molecular Weight Heparin-Dihydroergotamine Combination. Thrombosis and Haemostasis, 1988, 59, 388-391.	1.8	13
77	Macrophage targeted nanocarrier delivery systems in HIV therapeutics. Expert Opinion on Drug Delivery, 2020, 17, 903-918.	2.4	13
78	Antibacterial Properties of Graphene Based Nanomaterials: An Emphasis on Molecular Mechanisms, Surface Engineering and Size of Sheets. Mini-Reviews in Organic Chemistry, 2019, 16, 159-172.	0.6	13
79	Mechanism of fibroblast inflammatory responses to Pseudomonas aeruginosa elastase. Microbiology (United Kingdom), 2014, 160, 547-555.	0.7	12
80	Selective drug deposition in lungs through pulmonary drug delivery system for effective management of drug-resistant TB. Expert Opinion on Drug Delivery, 2019, 16, 525-538.	2.4	12
81	Platelet-induced vasomotion of isolated canine coronary artery in the presence of halothane or isoflurane. Journal of Cardiothoracic and Vascular Anesthesia, 1994, 8, 175-181.	0.6	11
82	Fumarate metabolism and ATP production in Pseudomonas fluorescens exposed to nitrosative stress. Antonie Van Leeuwenhoek, 2014, 106, 431-438.	0.7	11
83	Development and validation of reversed-phase HPLC gradient method for the estimation of efavirenz in plasma. PLoS ONE, 2017, 12, e0174777.	1.1	11
84	The Impact of an Efflux Pump Inhibitor on the Activity of Free and Liposomal Antibiotics against Pseudomonas aeruginosa. Pharmaceutics, 2021, 13, 577.	2.0	11
85	Heavy metal toxicity in Buriganga river alters the immunology of Nile tilapia (Oreochromis niloticus) Tj ETQq1 1 0.784314 rgBT /Overl 1.4 11	1.4	11
86	Recent advancements in cellulose-based biomaterials for management of infected wounds. Expert Opinion on Drug Delivery, 2021, 18, 1741-1760.	2.4	9
87	Development of the immune system in the human embryo. Pediatric Research, 2022, 92, 951-955.	1.1	9
88	Current and novel therapeutic strategies for the management of cystic fibrosis. Expert Opinion on Drug Delivery, 2021, 18, 535-552.	2.4	7
89	Evaluation of the Partial Replacement of Dietary Fish Meal With Fermented or Untreated Soybean Meal in Juvenile Silver Barb, Barbonymus gonionotus. Frontiers in Nutrition, 2021, 8, 733402.	1.6	7
90	Characterization of human septic sera induced gene expression modulation in human myocytes. International Journal of Clinical and Experimental Medicine, 2009, 2, 131-48.	1.3	7

#	ARTICLE	IF	CITATIONS
91	Disposition of 3 H-Cholesteryl Ether Labeled Liposomes Following Intravenous Administration to Mice: Comparison with an Encapsulated 14 C-Inulin as Aqueous Phase Marker. <i>Drug Delivery</i> , 2003, 10, 193-200.	2.5	6
92	The effect of aminoglycoside antibiotics on the thermodynamic properties of liposomal vesicles. <i>Journal of Liposome Research</i> , 2010, 20, 84-96.	1.5	6
93	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> , 2013, 91, 935-940.	0.7	6
94	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> , 2017, 26, 405-414.	1.1	6
95	Targeting tumor microenvironment to curb chemoresistance via novel drug delivery strategies. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 641-663.	2.4	6
96	Emerging therapeutics for the management of COVID 19. <i>Expert Opinion on Emerging Drugs</i> , 2020, 25, 337-351.	1.0	6
97	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> , 2018, 40, 1127-1136.	0.5	5
98	Effects of Total Enteral Nutrition on Early Growth, Immunity, and Neuronal Development of Preterm Infants. <i>Nutrients</i> , 2021, 13, 2755.	1.7	5
99	Histidine-Rich Glycoprotein During Pregnancy. <i>Thrombosis and Haemostasis</i> , 1988, 59, 341-341.	1.8	5
100	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> , 1996, 7, 65-68.	1.1	4
101	Large Eddy Simulation Modeling of Non-Premixed Turbulent Oxy-Fuel Combustion Supplied by Three Separated Jets. <i>Combustion Science and Technology</i> , 2016, 188, 1220-1238.	1.2	4
102	Intervention of 3D printing in health care: transformation for sustainable development. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 1659-1672.	2.4	4
103	Colorectal cancer management: strategies in drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 653-670.	2.4	4
104	EFFECT OF A HARD PRUNING ON TREES VIGOR AND YIELDS OF OLD OLIVE ORCHARDS. <i>Acta Horticulturae</i> , 2002, , 321-323.	0.1	3
105	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> , 2018, 11, 4899.	0.2	3
106	Mechanism of Halothane Attenuation of Isometric Tension Induced by Serotonin in Isolated Canine Coronary Artery Rings. <i>Journal of Cardiovascular Pharmacology</i> , 1992, 20, 445-450.	0.8	2
107	Pulmonary drug and vaccine delivery: therapeutic significance and major challenges. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 853-855.	2.4	2
108	Novel therapeutic approaches for targeting TB and HIV reservoirs prevailing in lungs. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 687-699.	2.4	2

#	ARTICLE	IF	CITATIONS
109	Low stringency tests revealed differential gene expression in red maple (<i>Acer rubrum</i>) treated with low doses of nickel. <i>Plant Gene</i> , 2020, 24, 100251.	1.4	2
110	Status of inhalable antimicrobial agents for lung infection: progress and prospects. <i>Expert Review of Respiratory Medicine</i> , 2021, 15, 1251-1270.	1.0	2
111	Demonstration of Advanced Data Mining Tools for Optimization of Pellets Employing Modified Extrusion-pelletization Technique. <i>Current Drug Therapy</i> , 2021, 16, 154-169.	0.2	1
112	The Role of Liposomal Antioxidants in Oxidative Stress. , 2006, , 191-205.		1
113	Vulnerability of Hydro-Alcoholic Media on In Vitro Drug Release from Galantamine HBr Pellets Comprising of Compritol 888 ATO and Ethocel. <i>Research Journal of Pharmacy and Technology</i> , 2019, 12, 791.	0.2	1
114	Drugs repurposing for SARS-CoV-2: new insight of COVID-19 druggability. <i>Expert Review of Anti-Infective Therapy</i> , 2022, 20, 1187-1204.	2.0	1
115	P089 Synergistic activities of an efflux pump inhibitor and antibiotics against <i>Pseudomonas aeruginosa</i> isolates from cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2018, 17, S84.	0.3	0