

# El-Sayed Khafagy

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,164  
citations

236925

25  
h-index

233421

45  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2044  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current challenges in non-invasive insulin delivery systems: A comparative review. <i>Advanced Drug Delivery Reviews</i> , 2007, 59, 1521-1546.	13.7	367
2	Oral biodrug delivery using cell-penetrating peptide. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 531-539.	13.7	160
3	In vivo proof of concept of oral insulin delivery based on a co-administration strategy with the cell-penetrating peptide penetratin. <i>Journal of Controlled Release</i> , 2014, 189, 19-24.	9.9	127
4	Organization of Endothelial Cells, Pericytes, and Astrocytes into a 3D Microfluidic <i>in Vitro</i> Model of the Blood-Brain Barrier. <i>Molecular Pharmaceutics</i> , 2016, 13, 895-906.	4.6	123
5	Effect of cell-penetrating peptides on the nasal absorption of insulin. <i>Journal of Controlled Release</i> , 2009, 133, 103-108.	9.9	117
6	Efficiency of cell-penetrating peptides on the nasal and intestinal absorption of therapeutic peptides and proteins. <i>International Journal of Pharmaceutics</i> , 2009, 381, 49-55.	5.2	82
7	Synthesis of Gold Nanoparticles by Using Green Machinery: Characterization and In Vitro Toxicity. <i>Nanomaterials</i> , 2021, 11, 808.	4.1	66
8	One-month subchronic toxicity study of cell-penetrating peptides for insulin nasal delivery in rats. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 736-743.	4.3	58
9	The role of intermolecular interactions with penetratin and its analogue on the enhancement of absorption of nasal therapeutic peptides. <i>International Journal of Pharmaceutics</i> , 2010, 388, 209-212.	5.2	49
10	Formulation, characterization, and cellular toxicity assessment of tamoxifen-loaded silk fibroin nanoparticles in breast cancer. <i>Drug Delivery</i> , 2021, 28, 1626-1636.	5.7	49
11	Structural requirements of penetratin absorption enhancement efficiency for insulin delivery. <i>Journal of Controlled Release</i> , 2010, 143, 302-310.	9.9	48
12	Noninvasive insulin delivery: the great potential of cell-penetrating peptides. <i>Therapeutic Delivery</i> , 2013, 4, 315-326.	2.2	46
13	Xylitol Inhibits Growth and Blocks Virulence in <i>Serratia marcescens</i> . <i>Microorganisms</i> , 2021, 9, 1083.	3.6	38
14	A Novel Use of Allopurinol as A Quorum-Sensing Inhibitor in <i>Pseudomonas aeruginosa</i> . <i>Antibiotics</i> , 2021, 10, 1385.	3.7	37
15	Pulmonary Targeting of Inhalable Moxifloxacin Microspheres for Effective Management of Tuberculosis. <i>Pharmaceutics</i> , 2021, 13, 79.	4.5	36
16	Celastrol Modulates Multiple Signaling Pathways to Inhibit Proliferation of Pancreatic Cancer via DDIT3 and ATF3 Up-Regulation and RRM2 and MCM4 Down-Regulation. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 3849-3860.	2.0	36
17	Tackling Virulence of <i>Pseudomonas aeruginosa</i> by the Natural Furanone Sotolon. <i>Antibiotics</i> , 2021, 10, 871.	3.7	36
18	Alteration of <i>Salmonella enterica</i> Virulence and Host Pathogenesis through Targeting <i>sdiA</i> by Using the CRISPR-Cas9 System. <i>Microorganisms</i> , 2021, 9, 2564.	3.6	35

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19	&lt;p&gt;Impact Of Penetratin Stereochemistry On The Oral Bioavailability Of Insulin-Loaded Solid Lipid Nanoparticles&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 9127-9138.	6.7	33
20	Efficacy of SPG-ODN 1826 Nanovehicles in Inducing M1 Phenotype through TLR-9 Activation in Murine Alveolar J774A.1 Cells: Plausible Nano-Immunotherapy for Lung Carcinoma. International Journal of Molecular Sciences, 2021, 22, 6833.	4.1	33
21	Not Only Antimicrobial: Metronidazole Mitigates the Virulence of Proteus mirabilis Isolated from Macerated Diabetic Foot Ulcer. Applied Sciences (Switzerland), 2021, 11, 6847.	2.5	32
22	Secnidazole Is a Promising Imidazole Mitigator of Serratia marcescens Virulence. Microorganisms, 2021, 9, 2333.	3.6	30
23	Elevated Levels of IL-33, IL-17 and IL-25 Indicate the Progression from Chronicity to Hepatocellular Carcinoma in Hepatitis C Virus Patients. Pathogens, 2022, 11, 57.	2.8	30
24	Region-Dependent Role of Cell-Penetrating Peptides in Insulin Absorption Across the Rat Small Intestinal Membrane. AAPS Journal, 2015, 17, 1427-1437.	4.4	29
25	Use of a non-covalent cell-penetrating peptide strategy to enhance the nasal delivery of interferon beta and its PEGylated form. International Journal of Pharmaceutics, 2016, 510, 304-310.	5.2	29
26	Terazosin Interferes with Quorum Sensing and Type Three Secretion System and Diminishes the Bacterial Espionage to Mitigate the Salmonella Typhimurium Pathogenesis. Antibiotics, 2022, 11, 465.	3.7	28
27	Cefotaxime Mediated Synthesis of Gold Nanoparticles: Characterization and Antibacterial Activity. Polymers, 2022, 14, 771.	4.5	27
28	Synthesis, biological evaluation, and molecular docking investigation of benzhydrol- and indole-based dual PPAR- $\beta$ /FFAR1 agonists. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1595-1602.	2.2	26
29	Effect of different intestinal conditions on the intermolecular interaction between insulin and cell-penetrating peptide penetratin and on its contribution to stimulation of permeation through intestinal epithelium. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 42-51.	4.3	25
30	Combination Strategy with Complexation Hydrogels and Cell-Penetrating Peptides for Oral Delivery of Insulin. Biological and Pharmaceutical Bulletin, 2018, 41, 811-814.	1.4	25
31	Systemic and brain delivery of leptin via intranasal coadministration with cell-penetrating peptides and its therapeutic potential for obesity. Journal of Controlled Release, 2020, 319, 397-406.	9.9	25
32	Anti-Quorum Sensing Activities of Gliptins against Pseudomonas aeruginosa and Staphylococcus aureus. Biomedicines, 2022, 10, 1169.	3.2	23
33	Influence of formulation variables on miconazole nitrate "loaded lipid based nanocarrier for topical delivery. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111046.	5.0	22
34	Application of design of experiment approach for investigating the effect of partially pre-gelatinized starch on critical quality attributes of rapid orally disintegrating tablets. Journal of Drug Delivery Science and Technology, 2019, 49, 227-234.	3.0	21
35	Enhanced Cytotoxic Activity of Docetaxel-Loaded Silk Fibroin Nanoparticles against Breast Cancer Cells. Polymers, 2021, 13, 1416.	4.5	21
36	Sodium Citrate Alleviates Virulence in Pseudomonas aeruginosa. Microorganisms, 2022, 10, 1046.	3.6	19

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37	Enhancement of Vancomycin Potential against Pathogenic Bacterial Strains via Gold Nano-Formulations: A Nano-Antibiotic Approach. <i>Materials</i> , 2022, 15, 1108.	2.9	18
38	Potential of single cationic amino acid molecule "Arginine" for stimulating oral absorption of insulin. <i>International Journal of Pharmaceutics</i> , 2017, 521, 176-183.	5.2	17
39	Phytosomes as a Plausible Nano-Delivery System for Enhanced Oral Bioavailability and Improved Hepatoprotective Activity of Silymarin. <i>Pharmaceutics</i> , 2022, 15, 790.	3.8	14
40	Experimental Design and Optimization of Nano-Transfersomal Gel to Enhance the Hypoglycemic Activity of Silymarin. <i>Polymers</i> , 2022, 14, 508.	4.5	13
41	Design, Optimization, and Correlation of In Vitro/In Vivo Disintegration of Novel Fast Orally Disintegrating Tablet of High Dose Metformin Hydrochloride Using Moisture Activated Dry Granulation Process and Quality by Design Approach. <i>Pharmaceutics</i> , 2020, 12, 598.	4.5	12
42	Tamoxifen-loaded functionalized graphene nanoribbons for breast cancer therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 63, 102499.	3.0	11
43	Ghatti gum-base graft copolymer: a plausible platform for pH-controlled delivery of antidiabetic drugs. <i>RSC Advances</i> , 2021, 11, 14871-14882.	3.6	10
44	Formulation, Development and Evaluation of Ibuprofen Loaded Nano-transferosomal Gel for the Treatment of Psoriasis. <i>Journal of Pharmaceutical Research International</i> , 0, , 1-8.	1.0	10
45	Screening of Apoptosis Pathway-Mediated Anti-Proliferative Activity of the Phytochemical Compound Furanodienone against Human Non-Small Lung Cancer A-549 Cells. <i>Life</i> , 2022, 12, 114.	2.4	9
46	Full Factorial Design, Optimization, In vitro and Ex vivo Studies of Ocular Timolol-Loaded Microsponges. <i>Journal of Pharmaceutical Innovation</i> , 2020, 15, 651-663.	2.4	8
47	Defining design space for optimization of escitalopram ultra-fast melting tablet using suspension spray-coating technique: In-vitro and in-vivo evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101631.	3.0	8
48	Development and Evaluation of Clove and Cinnamon Supercritical Fluid Extracts-Loaded Emulgel for Antifungal Activity in Denture Stomatitis. <i>Gels</i> , 2022, 8, 33.	4.5	8
49	Cell-penetrating Peptide-biodrug Strategy for Oral and Nasal Delivery: Review of Recent Findings. <i>Journal of Experimental and Clinical Medicine</i> , 2012, 4, 198-202.	0.2	7
50	Enhancing the Poor Flow and Tableting Problems of High Drug-Loading Formulation of Canagliflozin Using Continuous Green Granulation Process and Design-of-Experiment Approach. <i>Pharmaceutics</i> , 2020, 13, 473.	3.8	6
51	Poly $\mu$ -Caprolactone Nanoparticles for Sustained Intra-Articular Immune Modulation in Adjuvant-Induced Arthritis Rodent Model. <i>Pharmaceutics</i> , 2022, 14, 519.	4.5	5
52	Preparation and Characterization of a Novel Mucoadhesive Carvedilol Nanosponge: A Promising Platform for Buccal Anti-Hypertensive Delivery. <i>Gels</i> , 2022, 8, 235.	4.5	5
53	Rhamnolipids Enhance in Vivo Oral Bioavailability of Poorly Absorbed Molecules. <i>Pharmaceutical Research</i> , 2017, 34, 2197-2210.	3.5	4
54	Design-of-experiment approach to quantify the effect of nano-sized silica on tableting properties of microcrystalline cellulose to facilitate direct compression tableting of binary blend containing a low-dose drug. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 68, 103127.	3.0	4

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55	Pulmonary Targeting of Levofloxacin Using Microsphere-Based Dry Powder Inhalation. <i>Pharmaceuticals</i> , 2022, 15, 560.	3.8	3
56	Oleuropein as a Potent Compound against Neurological Complications Linked with COVID-19: A Computational Biology Approach. <i>Entropy</i> , 2022, 24, 881.	2.2	3
57	Preparation of self-flocculated solid lipid. <i>Journal of Research in Pharmacy</i> , 2019, 23, 652-661.	0.2	1
58	Ameliorative Potential of L-Alanyl L-Glutamine Dipeptide in Colon Cancer Patients Receiving Modified FOLFOX-6 Regarding the Incidence of Diarrhea, the Treatment Response, and Patients's Survival: A Randomized Controlled Trial. <i>Medicina (Lithuania)</i> , 2022, 58, 394.	2.0	0