

Theme 2-2: Drug Delivery, Microfluidics and Lab on a Chip - 2022

Title	Authors	Scopus Source title	Volume	Issue	Pages	Publication type
Multifunctional stimuli-responsive hybrid nanogels for cancer therapy: Current status and challenges	Ali, A.A. Al-Othman, A. Al-Sayah, M.H.	Journal of Controlled Release	351	-	476-503	Review
pH-Responsive Nanocarriers in Cancer Therapy	Alsawafteh, N.M. Awad, N.S. Pitt, W.G. Hussein, G.A.	Polymers	14	5	-	Review
Exogenous Contrast Agents in Photoacoustic Imaging: An In Vivo Review for Tumor Imaging	Farooq, A. Sabah, S. Dhou, S. Alsawafteh, N. Hussein, G.	Nanomaterials	12	3	-	Review
Photo-Induced Drug Release from Polymeric Micelles and Liposomes: Phototriggering Mechanisms in Drug-Delivery Systems	Salkho, N.M. Awad, N.S. Pitt, W.G. Hussein, G.A.	Polymers	14	7	-	Review
Thermosensitive Polymers and Thermo-Responsive Liposomal Drug Delivery Systems	Abuwatfa, W.H. Awad, N.S. Pitt, W.G. Hussein, G.A.	Polymers	14	5	-	Review
Ultrasound Triggering of Liposomal Nanodrugs for Cancer Therapy: A Review	Bahutair, W.N. Abuwatfa, W.H. Hussein, G.A.	Nanomaterials	12	17	-	Review
Ultrasound-sensitive cRGD-modified liposomes as a novel drug delivery system	AlSawafteh, N.M. Paul, V. Kosaji, D. Khabbaz, L. Awad, N.S. Hussein, G.A.	Artificial Cells, Nanomedicine and Biotechnology	50	1	111-120	Article
Recent Advances in Nanoparticle-Based Co-Delivery Systems for Cancer Therapy	Al Bostami, R.D. Abuwatfa, W.H. Hussein, G.A.	Nanomaterials	12	15	-	Review
Gold-Nanoparticle Hybrid Nanostructures for Multimodal Cancer Therapy	Ali, A.A. Abuwatfa, W.H. Al-Sayah, M.H. Hussein, G.A.	Nanomaterials	12	20	-	Review
Redox-Responsive Drug Delivery Systems: A Chemical Perspective	Abed, H.F. Abuwatfa, W.H. Hussein, G.A.	Nanomaterials	12	18	-	Review
Biomedical Applications of Metal–Organic Frameworks for Disease Diagnosis and Drug Delivery: A Review	Sharabati, M.A. Sabouni, R. Hussein, G.A.	Nanomaterials	12	2	-	Review
Encapsulation, Release, and Cytotoxicity of Doxorubicin Loaded in Liposomes, Micelles, and Metal-Organic Frameworks: A Review	Ibrahim, M. Abuwatfa, W.H. Awad, N.S. Sabouni, R. Hussein, G.A.	Pharmaceutics	14	2	-	Review
Hybrid liposome/metal–organic framework as a promising dual-responsive nanocarriers for anticancer drug delivery	Karami, A. Ahmed, A. Sabouni, R. Hussein, G.A. Sharabati, M.A. AlSawafteh, N. Paul, V.	Colloids and Surfaces B: Biointerfaces	217	-	-	Article
Numerical modeling of sequential segmentation for enhancement of mixing inside microchannels	Abu Dagga, I. Abdelgawad, M.	International Journal of Thermofluids	16	-	-	Article
Rheotaxis of sperm in fertile and infertile men	El-sherry, T.M. Abdel-Ghani, M.A. Abdel Hafez, H.K. Abdelgawad, M.	Systems Biology in Reproductive Medicine	-	-	-	Article