

Theme 2-2: Drug Delivery, Microfluidics and Lab on a Chip - 2020

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Effect of Pegylation and Targeting Moieties on the Ultrasound-Mediated Drug Release from Liposomes	Awad, N.S. Paul, V. Mahmoud, M.S. Al Sawafthah, N.M. Kawak, P.S. Al Sayah, M.H. Hussein, G.A.	ACS Biomaterials Science and Engineering	6	1	48-57	Journal	Article	Green
Facile Ultrasound-Triggered Release of Calcein and Doxorubicin from Iron-Based Metal-Organic Frameworks	Ibrahim, M. Sabouni, R. Hussein, G.A. Karami, A. Bai, R.G. Mukhopadhyay, D.	Journal of biomedical nanotechnology	16	9	1359-1369	Journal	Article	Green
Multi-Model Investigation and Adaptive Estimation of the Acoustic Release of a Model Drug from Liposomes	Wadi, A. Abdel-Hafez, M. Hussein, G.A. Paul, V.	IEEE Transactions on Nanobioscience	19	1	68-77	Journal	Article	Green
Factors affecting sedimentational separation of bacteria from blood	Pitt, W.G. Alizadeh, M. Blanco, R. Hunter, A.K. Bledsoe, C.G. McClellan, D.S. Wood, M.E. Wood, R.L. Ravsten, T.V. Hickey, C.L. Cameron Beard, W. Stepan, J.R. Carter, A. Hussein, G.A. Robison, R.A. Welling, E. Torgesen, R.N. Anderson, C.M.	Biotechnology Progress	36	1	-	Journal	Article	
Neuropathogens and Nasal Cleansing: Use of Clay Montmorillonite Coupled with Activated Carbon for Effective Eradication of Pathogenic Microbes from Water Supplies	Siddiqui, R. Khamis, M. Ibrahim, T. Khan, N.A.	ACS Chemical Neuroscience	11	18	2786-2788	Journal	Review	
Immunoliposomes: Synthesis, structure, and their potential as drug delivery carriers	Sandeep, D. Alsawafthah, N.M. Hussein, G.A.	Current Cancer Therapy Reviews	16	4	306-319	Journal	Article	Green
The use of artificial neural networks to control the concentration of a model drug released acoustically	Moussa, H.G. Hussein, G.A. Ahmad, S.E. Awad, N.	Emergent Materials	3	4	503-513	Journal	Article	
Ultrasound enhanced release of targeted liposomes in cancer treatment	Alsawafthah, N. Awad, N. Paul, V. Salkho, N. Mahmoud, M. AlSayah, M. Hussein, G.	AIChE Annual Meeting, Conference Proceedings	2020-	-	-	Conference Proceeding	Conference Paper	
Characterization of Mechanical Signature of Eutopic Endometrial Stromal Cells of Endometriosis Patients	Altayyeb, A. Othman, E. Khashbah, M. Esmaeel, A. El-Mokhtar, M. Lambalk, C. Mijatovic, V. Abdelgawad, M.	Reproductive Sciences	27	1	364-374	Journal	Article	
Digital Microfluidics: Automation Microscale Liquid Handling	Abdelgawad, M.	IEEE Nanotechnology Magazine	14	3	6-23	Journal	Review	
Multi-Model Investigation and Adaptive Estimation of the Acoustic Release of a Model Drug from Liposomes	Wadi, A. Abdel-Hafez, M. Hussein, G.A. Paul, V.	IEEE Transactions on Nanobioscience	19	1	68-77	Journal	Article	Green
Mechanical characterization of endometrial cells as a non-surgical diagnostic test for endometriosis	Altayyeb, A. Khashbah, M. Esmaeel, A. El-Mokhtar, M. Sharkawy, A. Abdelgawad, M. Othman, E.	21st International Conference on Miniaturized Systems for Chemistry and Life Sciences, MicroTAS 2017	-	-	836-837	Conference Proceeding	Conference Paper	
Numerical modeling of sequential segmentation for enhancement of micromixing	Dagga, I.A. Abdelgawad, M.	MicroTAS 2020 - 24th International Conference on Miniaturized Systems for Chemistry and Life Sciences	-	-	224-225	Conference Proceeding	Conference Paper	