

Qin (Maggie) Qi

Published Journal Articles

- Z.Zhao*, D.C.Pan*, [Q.M.Qi](#), J.Kim, N.Kapate, T.Sun, C.W.Shields, L.L.Wang, D.Wu, C.Kwon, W.He, J.Guo, and S. Mitragotri, “[Engineering of Living Cells with Polyphenol-Functionalized Biologically Active Nanocomplexes](#)”, *Advanced Materials* **2003492**, accepted (2020).
- [Q.M.Qi](#), M.Duffy, A.M.Curreri, J.P.R.Balkaran, E.E.L.Tanner and S.Mitragotri, “[Comparison of Ionic Liquids and Chemical Permeation Enhancers for Transdermal Drug Delivery](#)”, *Advanced Functional Materials* **2004257**, accepted (2020).
- V.Dharamdasani, A.Mandal, [Q.M.Qi](#), I.Suzuki, M.V.L.B.Bentley and S.Mitragotri, “[Topical Delivery of siRNA into Skin using Ionic Liquids](#)”, *Journal of Controlled Release* **475-482**, 323 (2020).
- [Q.M.Qi](#) and S.Mitragotri, “[Mechanism of transdermal delivery of macromolecules assisted by ionic liquids](#)”, *Journal of Controlled Release* **311-312**, 162-169 (2019).
- [Q.M.Qi](#), I.Oglesby, J.Cowman, A.J.Ricco, D.Kenny and E.S.G.Shaqfeh, “[In-vitro measurement and modeling of platelet adhesion on VWF-coated surfaces in channel flow](#)”, *Biophysical Journal* **116**, 6 (2019).
- E.Dunne, [Q.M.Qi](#), E.S.G.Shaqfeh, A.J.Ricco, J.O'Donnell and D.Kenny, “[Blood group alters platelet binding kinetics to von Willebrand factor and consequently platelet function](#)”, *Blood* **133**, 12 (2018).
Commentary by J.Dong, “ABO on platelets goes beyond transfusion”, DOI: 10.1182/blood-2019-02-898791
- [Q.M.Qi](#) and E.S.G.Shaqfeh, “[Time-dependent particle migration and margination in the pressure-driven channel flow of blood](#)”, *Physical Review Fluids* **3**, 034302 (2018).
- [Q.M.Qi](#) and E.S.G.Shaqfeh, “[Theory to predict particle migration and margination in the pressure-driven channel flow of blood](#)”, *Physical Review Fluids* **2**, 093102 (2017).
- S.Fitzgibbon, A.P.Spann, [Q.M.Qi](#) and E.S.G.Shaqfeh, “[In vitro measurement of particle margination in the microchannel flow: effect of varying hematocrit](#)”, *Biophysical Journal* **108**, 10 (2015).
- C.M.Elkins, [Q.M.Qi](#) and G.G.Fuller, “[Corneal cell adhesion to contact lens hydrogel materials enhanced via tear film protein deposition](#)”, *PloS One* **9.8**, e105512 (2014).

Published Book Chapter

Q.M.Qi and E.S.G.Shaqfeh, “[Microstructure and rheology of cellular blood flow, platelet margination and adhesion](#)”, *Dynamics of blood cells in microflows* **101-124**, edited by A.Viallat and M.Abkarian, Taylor & Francis Group (2019).

Manuscript in Preparation

Q.M.Qi, J.Zhang, Y.Gokarn and S.Mitragotri, “A microfluidic model to assess subcutaneous transport and pharmacokinetics in vitro”, *Nature Methods*.

Patent in Preparation

Q.M.Qi, and S.Mitragotri, “A microfluidic model to assess subcutaneous transport and pharmacokinetics in vitro”.