

ELECTROWETTING

Electrowetting-enhanced flow focusing device for drop generation

H. Gu, F. Malloggi, S.A. Vanapalli, F. Mugele

[Applied Physics Letter, **93** \(2008\) 183507.](#)

Phase selection in capillary breakup in AC electric field

F. Malloggi, D. van den Ende, F. Mugele

[Langmuir, **24** \(20\)\(2008\) 11847.](#)

Electrowetting – a versatile tool for controlling microdrop generation

F. Malloggi, H. Gu, A.G. Banpurkar, S.A. Vanapalli, F. Mugele

[European Physical Journal E, **26** \(1-2\) \(2008\) 91.](#)

Electrowetting-controlled droplet generation in a microfluidic flow-focusing device

F. Malloggi, S.A. Vanapalli, H. Gu, D. van den Ende, F. Mugele

[Top Paper 2007 - J.Phys.: Condens. Matter, **19** \(2007\) 462101.](#)

GRANULAR MATTER

Acoustic gaps in a chain of magnetic spheres

F. J. Sierra-Valdez, F. Pacheco-Vazquez, O. Carvente, F. Malloggi, J. Cruz-Damas, R. Rechtman, J.C. Ruiz-Suarez

[Physical review E, **81** \(2010\) 011301.](#)

Nonlocal rheological properties of granular flows near a jamming limit

S. Aranson, L.S. Tsimring, F. Malloggi, E. Clément

[Physical Review E, **78** \(2008\) 052809.](#)

Erosive granular avalanches: a cross confrontation between theory and experiment

E. Clément, F. Malloggi, B. Andreotti, I.S. Aranson

[Granular matter, **10**\(1\) \(2006\) 3.](#)

Transverse Instability of Avalanches in Granular Flows down Incline

S. Aranson, F. Malloggi, E. Clément

[Physical Review E, **73** \(5\) \(2006\) 050302.](#)

Erosion waves: transverse instabilities and fingering

F. Malloggi, B. Andreotti, E. Clément

[Europhysics Letters, **75** \(5\) \(2006\) 826.](#)