

List of publications

ISI Citation report (2019-02-07)

Results found: 24
Times Cited: 999
Citing Articles: 541
h-index: 16

Google scholar Citation report (2019-02-07)

Times Cited: 1582
h-index: 19
i10-index: 23

1. Peer-reviewed original research articles

1. Qiu, W.; Karlsen, J.T.; Bruus, H.; **Augustsson, P.**; Experimental Characterization of Acoustic Streaming in Gradients of Density and Compressibility. *Physical Review Applied*, 2019, 11, 024018. *Citations (ISI): 0*
2. Ohlsson, P.; Petersson, K.; **Augustsson, P.**; Laurell, T.; Acoustic impedance matched buffers enable separation of bacteria from blood cells at high cell concentrations. *Scientific Reports*, 2018, 8, 9156. *Citations (ISI): 1*
3. Karlsen, J.T.; Qiu, W.; **Augustsson, P.**; Bruus, H.; Acoustic Streaming and Its Suppression in Inhomogeneous Fluids. *Physical Review Letters*, 2018, 120(5), 154501. *Citations (ISI): 3*
4. Petersson, K.; Jakobsson, O.; Ohlsson, P.; **Augustsson, P.**; Scheduling, S.; Malm, J.; Laurell, T.; Acoustofluidic hematocrit determination. *Analytica Chimica Acta*, 2018, 1000, 199-204. *Citations (ISI): 2*
5. Magnusson, C.; **Augustsson, P.**; Lenshof, A.; Ceder, Y.; Laurell, T.; Lilja, H.; Clinical-Scale Cell-Surface-Marker Independent Acoustic Microfluidic Enrichment of Tumor Cells from Blood. *Analytical Chemistry*, 2017, 89(22), 11954-11961. *Citations (ISI): 3*
6. Karlsen, J. T.; **Augustsson, P.**, Bruus, H.; Acoustic Force Density Acting on Inhomogeneous Fluids in Acoustic Fields. *Physical Review Letters*, 2016, 117, 114504. *Number of Citations: 15*
7. **Augustsson, P.**; Karlsen, J. T.; Su, H.-W.; Bruus, H.; Voldman, J.; Iso-acoustic focusing of cells for size-insensitive acousto-mechanical phenotyping. *Nature Communications*, 2016, 7. *Citations (ISI): 47*
8. Zalis, M. C.; Reyes, J. F.; **Augustsson, P.**; Holmqvist, S.; Roybon, L.; Laurell, T.; Deierborg, T.; Label-free concentration of viable neurons, hESCs and cancer cells by means of acoustophoresis. *Integrative Biology*, 2016, 8(3), 332-40. *Number of citations: 4*
9. Antfolk, M.; Magnusson, C.; **Augustsson, P.**; Lilja, H.; Laurell, T. Acoustofluidic, Label-Free Separation and Simultaneous Concentration of Rare Tumor Cells from White Blood Cells. *Analytical Chemistry*, 2015, 87(18), 9322-9328. *Citations (ISI): 44*
10. Antfolk, M.; Antfolk, C.; Lilja, H.; Laurell, T.; **Augustsson, P.**; A single inlet two-stage acoustophoresis chip enabling tumor cell enrichment from white blood cells. *Lab on a Chip*, 2015, 15(9), 2102-2109. *Citations (ISI): 37*
11. Antfolk, M.; Muller, P.B.; **Augustsson, P.**; Bruus, H.; Laurell, T.; Focusing of sub-micrometer particles and bacteria enabled by two-dimensional acoustophoresis. *Lab on a Chip*, 2014, 14(15), 2791-2799. *Citations (ISI): 42*
12. Deshmukh, S.; Brzozka, Z.; Laurell, T.; **Augustsson, P.**; Acoustic radiation forces at liquid interfaces impact the performance of acoustophoresis. *Lab on a Chip*, 2014, 14(17), 3394-3400. *Citations (ISI): 19*
13. Muller, P.B.; Rossi, M.; Marin, A.G.; Barnkob, R.; **Augustsson, P.**; Laurell, T.; Kähler, C.J.; Bruus, H.; Ultrasound-induced acoustophoretic motion of microparticles in three dimensions. *Physical Review E*, 2013, 88(2). *Citations (ISI): 65*

14. Burguillos, M.A.; Magnusson, C.; Nordin, M.; Lenshof, A.; **Augustsson, P.**; Hansson, M.J.; Elmer, E.; Lilja, H.; Brundin, P.; Laurell, T.; Deierborg, T.; Microchannel acoustophoresis does not impact survival or function of microglia, leukocytes or tumor cells. *Plos One*, 2013, 8(5). *Citations (ISI): 50*
15. Grenvall, C.; Folkenberg, J.R.; **Augustsson, P.**; Laurell, T.; Label-free somatic cell cytometry in raw milk using acoustophoresis. *Cytometry Part A*, 2012, 81A(12), 1076-1083. *Citations (ISI): 16*
16. Barnkob, R.; **Augustsson, P.**; Laurell, T.; Bruus, H.; Acoustic radiation- and streaming-induced microparticle velocities determined by microparticle image velocimetry in an ultrasound symmetry plane. *Physical Review E*, 2012, 86(5). *Citations (ISI): 95*
17. **Augustsson, P.**; Magnusson, C.; Nordin, M.; Lilja, H.; Laurell, T.; Microfluidic, label-free enrichment of prostate cancer cells in blood based on acoustophoresis. *Analytical Chemistry*, 2012, 84(18), 7954-7962. *Citations (ISI): 140*
18. **Augustsson, P.**; Malm, J.; Ekström, S.; Acoustophoretic microfluidic chip for sequential elution of surface bound molecules from beads or cells. *Biomicrofluidics*, 2012, 6(3), 034115. *Citations (ISI): 7*
19. **Augustsson, P.**; Barnkob, R.; Wereley, S.T.; Bruus, H.; Laurell, T.; Automated and temperature-controlled micro-piv measurements enabling long-term-stable microchannel acoustophoresis characterization. *Lab on a Chip*, 2011, 11(24), 4152-4164. *Citations (ISI): 84*
20. Barnkob, R.; **Augustsson, P.**; Laurell, T.; Bruus, H.; Measuring the local pressure amplitude in microchannel acoustophoresis. *Lab on a Chip*, 2010, 10(5), 563-570. *Citations (ISI): 138*
21. Grenvall, C.; **Augustsson, P.**; Folkenberg, J.R.; Laurell, T.; Harmonic microchip acoustophoresis: A route to online raw milk sample precondition in protein and lipid content quality control. *Analytical Chemistry*, 2009, 81(15), 6195-6200. *Citations (ISI): 50*
22. **Augustsson, P.**; Åberg, L.B.; Swärd-Nilsson, A.M.K.; Laurell, T.; Buffer medium exchange in continuous cell and particle streams using ultrasonic standing wave focusing. *Microchimica Acta*, 2009, 164(3-4), 269-277. *Citations (ISI): 39*
23. **Augustsson, P.**; Persson, J.; Ekstrom, S.; Ohlin, M.; Laurell, T.; Decomplexing biofluids using microchip based acoustophoresis. *Lab on a Chip*, 2009, 9(6), 810-818. *Citations (ISI): 41*
24. Persson, J.; **Augustsson, P.**; Laurell, T.; Ohlin, M.; Acoustic microfluidic chip technology to facilitate automation of phage display selection. *Febs Journal*, 2008, 275(22), 5657-5666. *Citations (ISI): 31*

2. Conference proceedings

- 25+ peer reviewed conference proceedings
- 5 of these were oral conference presentations
- 3 invited keynote presentations at conferences

3. Monographs/Thesis

1. **Augustsson, P.**, *On microchannel acoustophoresis - Experimental considerations and life science applications*. Lund University, Sweden, 2011.

4. Research review articles

1. **Augustsson, P.**; Laurell, T.; Acoustofluidics 11: Affinity specific extraction and sample decomplexing using continuous flow acoustophoresis. *Lab on a Chip*, 2012, 12(10), 1742-1752. *Citations (ISI): 26*

5. Books and book chapters

1. Lenshof, A.; **Augustsson, P.**; Laurell, T.; Microscale Acoustofluidics – Chapter 8: Applications in continuous flow acoustophoresis. Editor: Lenshof, A., Royal Society of Chemistry, London
2. **Augustsson, P.**; Magnusson, C; Laurell, T.; Circulating Tumor Cells: Isolation and Analysis – Chapter 10: Acoustophoresis in Tumor Cell Enrichment, Editor: Fan, H., WILEY.