

Laurell – Publications in peer reviewed international scientific journals 1992-2019

URL to Laurell ISI (Web of Knowledge) Researcher ID: <http://www.researcherid.com/rid/B-5524-2013>.

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ISI citation data as of Feb. 2020 (ex. conference proceedings):

>225 ISI registered journal papers (article, review & editorial);

>9800 citations; average citation/paper: 43; h-index: 52; 32 patent filings

25 papers cited \geq 100 times

Google Scholar; >15900 citations; h-index: 65;

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Conference papers.

The applicant has produced over 200 conference papers in the time period of 1997-2013. >90 % of these are peer reviewed contributions.

Patent filings

- 1) **Methods and apparatuses for predicting and using one or more resonance frequencies for efficient operation of an acoustofluidic cavity**
Inventors: Giulia Core, Valentina Vitali, Andreas Lenshof, Thomas Laurell, Fabio Garofalo
Application number: 18190863.3-1020
- 2) **In vitro model and device**
Inventor: Agnete Kirkeby, Malin Parmar, Axel Tojo, Thomas Laurell
Application number: P10646SE00, April 2014
- 3) **System and method for small cells and particles**
Inventor: Maria Nordin, Per Augustsson, Thomas Laurell
Application number: P10367SE00, October 2013
- 4) **System and method to analyse non-spherical cells**
Inventor: Ola Jakobsson, Carl Grenvall, Thomas Laurell
Application number: P10313SE00, September 2013
- 5) **Separate cells**
Inventor: Andreas Lenshof, Stefan Scheduling, Per Augustsson, Thomas Laurell
Application number: SE- 1251064-0, August 2012
- 6) **MicroFluidic Impedance Flow Cytometer**

Inventor: Christer Bisgaard, Carl Grenvall, Thomas Laurell, Christian Antfolk
Application number: PCT/EP2012/057290, June 2012

- 7) **System and method to separate cells and/or particles**
Inventor: Per Augustsson, Cecilia Magnusson, Carl Grenvall and Thomas Laurell
Publication info: P9716SE00, Sept. 2011
- 8) **Separation of particles in liquids by use of a standing ultrasonic wave**
Inventor: Claus Holm, Jacob-Riis Folkenberg, Carl Grenvall, Per Augustsson, Thomas Laurell
Publicaiaon info: PCT/EP2008/063434 2008-10-08
- 9) **Slicing device**
Inventor: Erik Sundström, Elisabeth Åkesson, Lars Wallman, Thomas Laurell
Publication info: WO2008136729 (A1) — 2008-11-13
- 10) **Microchip-based acoustic trapping or capture of cells for forensic analysis and related method**
Inventor: Katie Horsman, James Landers, Thomas Laurell, Mikael Nilsson, Johan Nilsson
Publication info: CA20062624914 2006-10-04
- 11) **Method for separation**
Inventor: Laurell Thomas, Petersson Filip
Publication info: WO2007EP54372 2007-05-04
- 12) **Device and method for separation**
Inventor: LAURELL THOMAS (SE); ALLERS MATS (SE); (+4) **Applicant:** ERYSAVE AB IDEON
EC: A61M1/34F; A61M1/34P **IPC:** B01D43/00; B01J8/16
Publication info: ES2235007T - 2005-07-01
- 13) **Microfluidic cell and method for sample handling**
Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+3) **Applicant:**
EC: B01J19/00R; B01L3/00C6M; (+2) **IPC:** G01N21/00; G01N31/22
Publication info: US2005106064 - 2005-05-19
- 14) **Dockable processing module**
Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+3) **Applicant:**
EC: B01L3/00C2D; B01L3/02D; (+3) **IPC:** C12M1/34
Publication info: US2005070010 - 2005-03-31
- 15) **FFE array dispenser**
Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+1) **Applicant:** ASTRAZENECA AB (SE)
EC: B01L3/00C2D; B01L3/02D; (+3) **IPC:** H02N2/00; H01L41/04; (+1)
Publication info: US2005047962 - 2005-03-03
- 16) **High sensitivity protein workstation and techniques**
Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+1) **Applicant:**
EC: B01L3/00C2D; B01L3/02D; (+2) **IPC:** G01N33/53; C12M1/34
Publication info: US2005048568 - 2005-03-03
- 17) **Biomolecule handling method and machine using an array dispenser**
Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+1) **Applicant:** ASTRAZENECA AB (SE)
EC: B01L3/00C2D; B01L3/02D; (+3) **IPC:** G01N1/10
Publication info: US2005042769 - 2005-02-24
- 18) **Machine and method for processing biomolecules**

Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+1) **Applicant:**
EC: B01L3/00C2D; B01L3/02D; (+2) **IPC:** H01J49/00; B01D59/44
Publication info: US2005029440 - 2005-02-10

19) Device and method useable for integrated sequential separation and enrichment of proteins

Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+1) **Applicant:**
EC: B01L3/00C2D; B01L3/02D; (+3) **IPC:** C12M1/34
Publication info: US2005032202 - 2005-02-10

20) Target plate for mass spectrometers and use thereof

Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+1) **Applicant:**
EC: B01L3/00C2D; B01L3/02D; (+3) **IPC:** G01N24/00
Publication info: US2005031496 - 2005-02-10

21) DEVICE AND METHOD FOR ANALYSIS OF SAMPLES USING A COMBINED SAMPLE TREATMENT AND SAMPLE CARRIER DEVICE

Inventor: EKSTROEM SIMON (SE); LAURELL THOMAS (SE); (+3) **Applicant:** EKSTROEM SIMON (SE); LAURELL THOMAS (SE); (+3)
EC: B01L3/00C6D2; G01N33/543K **IPC:** G01N33/543; B01L3/00
Publication info: WO2005008244 - 2005-01-27

22) GENERIC ARRAY DISPENSER WITH LAMINAR VIRTUAL FLOW CHANNELS

Inventor: LAURELL THOMAS; NILSSON JOHAN **Applicant:** LAURELL THOMAS; NILSSON JOHAN
EC: **IPC:** G01N35/10; G01N1/28; (+1)
Publication info: AU2002359112 - 2003-07-09

23) System and method for treating whole blood

Inventor: LAURELL THOMAS (SE); JOENSSON HENRIK (SE); (+2) **Applicant:**
EC: A61M1/34F; A61M1/34P **IPC:** C02F1/44
Publication info: US2004069708 - 2004-04-15

24) DEVICE FOR COMPOUND DISPENSING

Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE) **Applicant:** LAURELL THOMAS (SE); NILSSON JOHAN (SE)
EC: B05B7/04A; B05B17/06B; (+1) **IPC:** B05D1/34; G01D15/18
Publication info: WO02100558 - 2002-12-19

25) PARTICLE SEPARATION

Inventor: JOENSSON HENRIK (SE); LAURELL THOMAS (SE); (+2) **Applicant:** ERYSAVE AB (SE); JOENSSON HENRIK (SE); (+3)
EC: A61M1/34F; A61M1/34P **IPC:** B01D43/00; B01J8/16
Publication info: WO02072236 - 2002-09-19

26) Method of etching an opening

Inventor: LAURELL THOMAS (SE); DROTT JOHAN (SE); (+2) **Applicant:**
EC: B41J2/16G **IPC:** C23F1/02; B41J2/16; (+1)
Publication info: US6620331 - 2003-09-16

27) MICROPUMP

Inventor: LAURELL THOMAS (SE); WALLIN ANDREAS (SE) **Applicant:** LAURELL THOMAS (SE); WALLIN ANDREAS (SE)
EC: F04B43/04M2 **IPC:** F04B43/04; F04B43/14
Publication info: WO0028213 - 2000-05-18

28) FLOWMETER

Inventor: CEWERS GOERAN; LAURELL THOMAS; (+1) **Applicant:** SIEMENS ELEMA AB
EC: G01F1/28; G01P5/04 **IPC:** G01P5/08
Publication info: JP2000028628 - 2000-01-28

29) SYSTEM FOR PERFORMING ASSAYS ON A LEVITATED DROPLET

Inventor: LAURELL THOMAS (SE); NILSSON JOHAN (SE); (+5) **Applicant:** ORTHO MCNEIL
PHARM INC (US); LAURELL THOMAS (SE); (+6)
EC: B01L3/02D; B01L11/00 **IPC:** B01L11/00; B01L3/02
Publication info: WO9944746 - 1999-09-10

30) Flow-through sampling cell and use thereof

Inventor: WALLMAN LARS (SE); DROTT JOHAN (SE); (+3) **Applicant:** PHARMACIA BIOTECH AB
(US)
EC: B01L3/00C6M; B01L3/02D; (+1) **IPC:** G01N1/20
Publication info: US6192768 - 2001-02-27

31) Carrier matrix for integrated microanalysis systems, method for the production thereof and use of the same

Inventor: LAURELL THOMAS (SE); DROTT JOHAN (SE); (+2) **Applicant:** PHARMACIA BIOTECH
AB (US)
EC: B01J19/00R; C25F3/12; (+1) **IPC:** B32B13/04; B31D3/00; (+1)
Publication info: US6187446 - 2001-02-13

32) Mikrodialysson

Inventor: Thomas Laurell, Kjell Lindström, Lennart Nilsson
Publication info: SE9500977 1996-05-13