# Ki-Ho Han

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 31 papers | 866 citations | 567144 15 h-index | 526166 27 g-index |
| 31 all docs | 31 docs citations | 31 times ranked | 1343 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Circulating Tumor Cell Microseparator Based on Lateral Magnetophoresis and Immunomagnetic Nanobeads. Analytical Chemistry, 2013, 85, 2779-2786. | 3.2 | 137 |
| 2 | Microfluidic technologies for circulating tumor cell isolation. Analyst, The, 2018, 143, 2936-2970. | 1.7 | 130 |
| 3 | Lateral-driven continuous dielectrophoretic microseparators for blood cells suspended in a highly conductive medium. Lab on A Chip, 2008, 8, 1079. | 3.1 | 102 |
| 4 | Single-Cell Isolation of Circulating Tumor Cells from Whole Blood by Lateral Magnetophoretic Microseparation and Microfluidic Dispensing. Analytical Chemistry, 2016, 88, 4857-4863. | 3.2 | 62 |
| 5 | Electrical Detection Method for Circulating Tumor Cells Using Graphene Nanoplates. Analytical Chemistry, 2015, 87, 10585-10592. | 3.2 | 55 |
| 6 | Lateral displacement as a function of particle size using a piecewise curved planar interdigitated electrode array. Lab on A Chip, 2009, 9, 2958. | 3.1 | 48 |
| 7 | Isolation of nucleated red blood cells in maternal blood for Non-invasive prenatal diagnosis. Biomedical Microdevices, 2015, 17, 118. | 1.4 | 37 |
| 8 | A disposable microfluidic device with a reusable magnetophoretic functional substrate for isolation of circulating tumor cells. Lab on A Chip, 2017, 17, 4113-4123. | 3.1 | 37 |
| 9 | Evaluation of Positive and Negative Methods for Isolation of Circulating Tumor Cells by Lateral Magnetophoresis. Micromachines, 2019, 10, 386. | 1.4 | 34 |
| 10 | Lateral dielectrophoretic microseparators to measure the size distribution of blood cells. Lab on A Chip, 2011, 11, 3864. | 3.1 | 28 |
| 11 | An on-chip RT-PCR microfluidic device, that integrates mRNA extraction, cDNA synthesis, and gene amplification. RSC Advances, 2014, 4, 9160. | 1.7 | 27 |
| 12 | Digital quantification and selection of high-lipid-producing microalgae through a lateral dielectrophoresis-based microfluidic platform. Lab on A Chip, 2019, 19, 4128-4138. | 3.1 | 26 |
| 13 | Label-free continuous lateral magneto-dielectrophoretic microseparators for highly efficient enrichment of circulating nucleated cells from peripheral blood. Sensors and Actuators B: Chemical, 2011, 157, 314-320. | 4.0 | 18 |
| 14 | A disposable microfluidic flow sensor with a reusable sensing substrate. Sensors and Actuators B: Chemical, 2019, 288, 147-154. | 4.0 | 16 |
| 15 | High-shock silicon accelerometer with suspended piezoresistive sensing bridges. Journal of Mechanical Science and Technology, 2014, 28, 1449-1454. | 0.7 | 15 |
| 16 | A disposable smart microfluidic platform integrated with on-chip flow sensors. Biosensors and Bioelectronics, 2021, 176, 112897. | 5.3 | 15 |
| 17 | Graphene Oxide Nanoparticles Having Long Wavelength Absorbing Chlorins for Highly-Enhanced Photodynamic Therapy with Reduced Dark Toxicity. International Journal of Molecular Sciences, 2019, 20, 4344. | 1.8 | 12 |
| 18 | Multigene model for predicting metastatic prostate cancer using circulating tumor cells by microfluidic magnetophoresis. Cancer Science, 2021, 112, 859-870. | 1.7 | 11 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | An assembly disposable degassing microfluidic device using a gas-permeable hydrophobic membrane and a reusable microsupport array. Sensors and Actuators B: Chemical, 2019, 286, 353-361. | 4.0 | 9 |
| 20 | Association of serum prostate-specific antigen (PSA) level and circulating tumor cell-based PSA mRNA in prostate cancer. Prostate International, 2022, 10, 14-20. | 1.2 | 8 |
| 21 | Micro-/nanotechnology-based isolation and clinical significance of circulating tumor cells. Biomedical Engineering Letters, 2012, 2, 78-87. | 2.1 | 7 |
| 22 | A Direct Comparison between the Lateral Magnetophoretic Microseparator and AdnaTest for Isolating Prostate Circulating Tumor Cells. Micromachines, 2020, 11, 870. | 1.4 | 7 |
| 23 | Lateral Degassing Method for Disposable Film-Chip Microfluidic Devices. Membranes, 2021, 11, 316. | 1.4 | 7 |
| 24 | Analytical evaluation for somatic mutation detection in circulating tumor cells isolated using a lateral magnetophoretic microseparator. Biomedical Microdevices, 2016, 18, 91. | 1.4 | 6 |
| 25 | Lateral-driven continuous magnetophoretic microseparator for separating blood cells based on their native magnetic properties. , 2009, , . | | 4 |
| 26 | Impedance-activated microseparator based on amplitude modulation sensing and dielectrophoretic switching methods. Sensors and Actuators B: Chemical, 2012, 171-172, 1312-1320. | 4.0 | 4 |
| 27 | Oxidation-temperature dependence of the optical properties of ZnO thin films grown on corning glass by oxidation of metallic Zn. Journal of the Korean Physical Society, 2015, 67, 1278-1283. | 0.3 | 2 |
| 28 | 6-Stage Cascade Mode Magnetophoretic Microseparator for Human Blood Cells. , 2007, , . | | 1 |
| 29 | Disposable capacitive electrical droplet measurement (DisC-EDM) based on a film-chip technique. Sensors and Actuators B: Chemical, 2021, 344, 130192. | 4.0 | 1 |
| 30 | A Fully Automated Micro-Solid Phase Extraction Chip for Genetic Sample Preparation System. , 2009, , . | | 0 |
| 31 | High-performance capacitive microaccelerometer using large proof-mass and high-amplitude sense voltage. , 2010, , . | | 0 |