# Chun Yee Lim

List of Publications by Year
in descending order



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|---|---|---|---|
| 24 papers | 423 citations | 759233 12 h-index | 713466 21 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 553 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Magnetic nanochain integrated microfluidic biochips. Nature Communications, 2018, 9, 1743. | 12.8 | 94 |
| 2 | Mixing enhancement in microfluidic channel with a constriction under periodic electro-osmotic flow. Biomicrofluidics, 2010, 4, 014101. | 2.4 | 73 |
| 3 | Phase-field simulation of impingement and spreading of micro-sized droplet on heterogeneous surface. Microfluidics and Nanofluidics, 2014, 17, 131-148. | 2.2 | 39 |
| 4 | Effect of microchannel junction angle on two-phase liquid-gas Taylor flow. Chemical Engineering Science, 2019, 202, 417-428. | 3.8 | 34 |
| 5 | Analysis on micro-mixing enhancement through a constriction under time periodic electroosmotic flow. Microfluidics and Nanofluidics, 2012, 12, 127-141. | 2.2 | 20 |
| 6 | Staff rostering, split team arrangement, social distancing (physical distancing) and use of personal protective equipment to minimize risk of workplace transmission during the COVID-19 pandemic: A simulation study. Clinical Biochemistry, 2020, 86, 15-22. | 1.9 | 18 |
| 7 | Electroosmotic Flow in Microchannel with Black Silicon Nanostructures. Micromachines, 2018, 9, 229. | 2.9 | 16 |
| 8 | An investigation into a micro-sized droplet impinging on a surface with sharp wettability contrast. Journal Physics D: Applied Physics, 2014, 47, 425305. | 2.8 | 15 |
| 9 | Electroosmotic Flow Hysteresis for Dissimilar Anionic Solutions. Analytical Chemistry, 2016, 88, 8064-8073. | 6.5 | 15 |
| 10 | Electroosmotic flow hysteresis for dissimilar ionic solutions. Biomicrofluidics, 2015, 9, 024113. | 2.4 | 14 |
| 11 | Ionic Origin of Electro-osmotic Flow Hysteresis. Scientific Reports, 2016, 6, 22329. | 3.3 | 13 |
| 12 | Effect of nanostructures orientation on electroosmotic flow in a microfluidic channel. Nanotechnology, 2017, 28, 255303. | 2.6 | 12 |
| 13 | pH Change in Electroosmotic Flow Hysteresis. Analytical Chemistry, 2017, 89, 9394-9399. | 6.5 | 12 |
| 14 | Direction dependence of displacement time for two-fluid electroosmotic flow. Biomicrofluidics, 2012, 6, 12816-1281617. | 2.4 | 11 |
| 15 | Internal quality control: Moving average algorithms outperform Westgard rules. Clinical Biochemistry, 2021, 98, 63-69. | 1.9 | 11 |
| 16 | Impact of combining data from multiple instruments on performance of patient-based real-time quality control. Biochemia Medica, 2021, 31, 276-282. | 2.7 | 6 |
| 17 | Comparison of six regression-based lot-to-lot verification approaches. Clinical Chemistry and Laboratory Medicine, 2022, 60, 1175-1185. | 2.3 | 6 |
| 18 | Setting minimum clinical performance specifications for tests based on disease prevalence and minimum acceptable positive and negative predictive values: Practical considerations applied to COVID-19 testing. Clinical Biochemistry, 2021, 88, 18-22. | 1.9 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Patient-based quality control for glucometers using the moving sum of positive patient results and moving average. Biochemia Medica, 2020, 30, 296-306. | 2.7 | 5 |
| 20 | Precision Verification: Effect of Experiment Design on False Acceptance and False Rejection Rates. American Journal of Clinical Pathology, 2021, 156, 1058-1067. | 0.7 | 1 |
| 21 | Letter to the Editor: On moving average and internal quality control. Clinical Biochemistry, 2022, 103, 32-34. | 1.9 | 1 |
| 22 | An Objective Approach to Deriving the Clinical Performance of Autoverification Limits. Annals of Laboratory Medicine, 2022, 42, 597-601. | 2.5 | 1 |
| 23 | Performance of four regression frameworks with varying precision profiles in simulated reference material commutability assessment. Clinical Chemistry and Laboratory Medicine, 2022, 60, 1164-1174. | 2.3 | 1 |
| 24 | Simulation of impingement and spreading of micro-droplet on non-homogeneous solid surface. , 2013, , . | | 0 |