

# Dhanuka P Wasalathanthri

## List of Publications by Year in descending order

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16  
papers

612  
citations

840776

11  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

852  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Attomolar Detection of a Cancer Biomarker Protein in Serum by Surface Plasmon Resonance Using Superparamagnetic Particle Labels. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1175-1178.                  | 13.8 | 179       |
| 2  | Efficient Bioelectronic Actuation of the Natural Catalytic Pathway of Human Metabolic Cytochrome P450s. <i>Journal of the American Chemical Society</i> , 2011, 133, 1459-1465.   | 13.7 | 88        |
| 3  | Technology outlook for real-time quality attribute and process parameter monitoring in biopharmaceutical development—A review. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3182-3198.                            | 3.3  | 87        |
| 4  | Highly Efficient Binding of Paramagnetic Beads Bioconjugated with 100% or More Antibodies to Protein-Coated Surfaces. <i>Analytical Chemistry</i> , 2012, 84, 10485-10491.  | 6.5  | 48        |
| 5  | Microfluidic Electrochemical Array for Detection of Reactive Metabolites Formed by Cytochrome P450 Enzymes. <i>Analytical Chemistry</i> , 2011, 83, 9499-9506.  | 6.5  | 32        |
| 6  | Elucidating organ-specific metabolic toxicity chemistry from electrochemiluminescent enzyme/DNA arrays and bioreactor bead-LC-MS/MS. <i>Chemical Science</i> , 2015, 6, 2457-2468.  | 7.4  | 30        |
| 7  | High-throughput metabolic genotoxicity screening with a fluidic microwell chip and electrochemiluminescence. <i>Lab on A Chip</i> , 2013, 13, 4554.   | 6.0  | 29        |
| 8  | Real-time monitoring of quality attributes by inline Fourier transform infrared spectroscopic sensors at ultrafiltration and diafiltration of bioprocess. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3766-3774. | 3.3  | 24        |
| 9  | Thin multicomponent films for functional enzyme devices and bioreactor particles. <i>Soft Matter</i> , 2014, 10, 8145-8156.   | 2.7  | 22        |
| 10 | Systematic assessment of process analytical technologies for biologics. <i>Biotechnology and Bioengineering</i> , 2022, 119, 423-434.   | 3.3  | 19        |
| 11 | Screening reactive metabolites bioactivated by multiple enzyme pathways using a multiplexed microfluidic system. <i>Analyst</i> , 2013, 138, 171-178.   | 3.5  | 16        |
| 12 | Electrochemical Activation of the Natural Catalytic Cycle of Cytochrome P450s in Human Liver Microsomes. <i>Electroanalysis</i> , 2012, 24, 2049-2052.  | 2.9  | 12        |
| 13 | Online monitoring and control of upstream cell culture process using 1D and 2D-FC with SegFlow interface. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3593-3603.   | 3.3  | 9         |
| 14 | Process analytics 4.0: A paradigm shift in rapid analytics for biologics development. <i>Biotechnology Progress</i> , 2021, 37, e3177.  | 2.6  | 4         |
| 15 | Nurturing connections to the environment. <i>Science</i> , 2018, 362, 886-888.  | 12.6 | 1         |
| 16 | Challenging transitions. <i>Science</i> , 2019, 363, 24-26.   | 12.6 | 1         |