# Amit aa Asthana

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4033162/publications.pdf

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|---|---|---|---|
| 27 papers | 1,200 citations | 567281 15 h-index | 552781 26 g-index |
| 29 all docs | 29 docs citations | 29 times ranked | 1986 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Chitosan as biomaterial in drug delivery and tissue engineering. International Journal of Biological Macromolecules, 2018, 110, 97-109. | 7.5 | 517 |
| 2 | Microfabrication and characterization of a silicon-based millimeter scale, PEM fuel cell operating with hydrogen, methanol, or formic acid. Sensors and Actuators B: Chemical, 2005, 107, 882-891. | 7.8 | 106 |
| 3 | Determination of aromatic amines in water samples by capillary electrophoresis with electrochemical and fluorescence detection. Journal of Chromatography A, 2000, 895, 197-203. | 3.7 | 86 |
| 4 | Chitosan stabilized gold nanoparticle mediated self-assembled gliP nanobiosensor for diagnosis of Invasive Aspergillosis. International Journal of Biological Macromolecules, 2018, 110, 449-456. | 7.5 | 73 |
| 5 | Rapid determination of sulfonamides in milk using micellar electrokinetic chromatography with fluorescence detection. Analytica Chimica Acta, 2005, 552, 110-115. | 5.4 | 50 |
| 6 | Novel transparent poly(silazane) derived solvent-resistant, bio-compatible microchannels and substrates: application in microsystem technology. Lab on A Chip, 2006, 6, 1200. | 6.0 | 41 |
| 7 | Fast separation and sensitive detection of carcinogenic aromatic amines by reversed-phase Î¼-liquid chromatography coupled with electrochemical detection. Journal of Chromatography A, 2005, 1089, 52-58. | 3.7 | 32 |
| 8 | Droplet-Based Microfluidics. Methods in Molecular Biology, 2013, 949, 207-230. | 0.9 | 31 |
| 9 | Facile single step fabrication of microchannels with varying size. Lab on A Chip, 2009, 9, 1138. | 6.0 | 30 |
| 10 | Determination of aldehydes in water samples by capillary electrophoresis after derivatization with hydrazino benzene sulfonic acid. Chromatographia, 1998, 48, 807-810. | 1.3 | 23 |
| 11 | Bromo-oxidation reaction in enzyme-entrapped alginate hollow microfibers. Biomicrofluidics, 2011, 5, 024117. | 2.4 | 22 |
| 12 | Fabrication of cost-effective and efficient paper-based device for viscosity measurement. Analytica Chimica Acta, 2018, 1044, 86-92. | 5.4 | 22 |
| 13 | A microfluidic device approach to generate hollow alginate microfibers with controlled wall thickness and inner diameter. Journal of Applied Physics, 2015, 117, . | 2.5 | 21 |
| 14 | An affordable, rapid determination of total lipid profile using paper-based microfluidic device. Sensors and Actuators B: Chemical, 2019, 285, 405-412. | 7.8 | 21 |
| 15 | Cross-linked chitosan biofunctionalized paper-based microfluidic device towards long term stabilization of blood typing antibodies. International Journal of Biological Macromolecules, 2020, 163, 1233-1239. | 7.5 | 20 |
| 16 | Complex target SELEX-based identification of DNA aptamers against Bungarus caeruleus venom for the detection of envenomation using a paper-based device. Biosensors and Bioelectronics, 2021, 193, 113523. | 10.1 | 15 |
| 17 | DNA mutation analysis based on capillary electrochromatography using colloidal poly(N-isopropylacrylamide) particles as pseudostationary phase. Talanta, 2006, 68, 940-944. | 5.5 | 13 |
| 18 | Rapid and cost-effective fabrication of selectively permeable calcium-alginate microfluidic device using â€œmodifiedâ€•embedded template method. Biomicrofluidics, 2012, 6, 12821-128219. | 2.4 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Modulation of Stem Cell Differentiation by the Influence of Nanobiomaterials/ Carriers. Current Stem Cell Research and Therapy, 2014, 9, 458-468. | 1.3 | 12 |
| 20 | Fabrication of porous SiC-based ceramic microchannels via pyrolysis of templated preceramic polymers. Journal of Materials Research, 2006, 21, 1543-1549. | 2.6 | 11 |
| 21 | Fabrication and characterization of gold nanohole electrode arrays. Sensors and Actuators B: Chemical, 2012, 173, 491-496. | 7.8 | 11 |
| 22 | Fabrication of multilayer microstructures using dry film resist and deep reactive ion etcher. Micro and Nano Letters, 2010, 5, 121. | 1.3 | 8 |
| 23 | A continuous-exchange cell-free protein synthesis system fabricated on a chip. Analytical Biochemistry, 2007, 365, 280-282. | 2.4 | 7 |
| 24 | Foil assisted replica molding for fabrication of microfluidic devices and their application in vitro. Lab on A Chip, 2014, 14, 3695-3699. | 6.0 | 7 |
| 25 | A novel method for fabrication of paper-based microfluidic devices using BSA-ink. International Journal of Biological Macromolecules, 2021, 193, 1617-1622. | 7.5 | 5 |
| 26 | Ready-to-use vertical flow paper device for instrument-free room temperature reverse transcription. New Biotechnology, 2022, 68, 77-86. | 4.4 | 2 |
| 27 | Fabrication of Ceramic Microchannels with Tailored Pores. Materials Science Forum, 2006, 510-511, 1030-1037. | 0.3 | 0 |