

Jason P Rolland

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

3,060
citations

471061

17
h-index

642321

23
g-index

27
all docs

27
docs citations

27
times ranked

4465
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | “Paper Machine” for Molecular Diagnostics. <i>Analytical Chemistry</i> , 2015, 87, 7595-7601. | 3.2 | 260 |
| 2 | From the Bench to the Field in Low-Cost Diagnostics: Two Case Studies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5836-5853. | 7.2 | 141 |
| 3 | A device architecture for three-dimensional, patterned paper immunoassays. <i>Lab on A Chip</i> , 2014, 14, 4653-4658. | 3.1 | 72 |
| 4 | A Point-of-Care Paper-based Fingertstick Transaminase Test: Toward Low-cost “Lab-on-a-Chip” Technology for the Developing World. <i>Clinical Gastroenterology and Hepatology</i> , 2013, 11, 478-482. | 2.4 | 18 |
| 5 | Paper as a novel material platform for devices. <i>MRS Bulletin</i> , 2013, 38, 299-305. | 1.7 | 62 |
| 6 | Field Evaluation of a Prototype Paper-Based Point-of-Care Fingertstick Transaminase Test. <i>PLoS ONE</i> , 2013, 8, e75616. | 1.1 | 40 |
| 7 | A Paper-Based Multiplexed Transaminase Test for Low-Cost, Point-of-Care Liver Function Testing. <i>Science Translational Medicine</i> , 2012, 4, 152ra129. | 5.8 | 277 |
| 8 | Reductively Responsive siRNA-Conjugated Hydrogel Nanoparticles for Gene Silencing. <i>Journal of the American Chemical Society</i> , 2012, 134, 7423-7430. | 6.6 | 150 |
| 9 | Micromolding for the Fabrication of Biological Microarrays. <i>Methods in Molecular Biology</i> , 2011, 671, 249-260. | 0.4 | 5 |
| 10 | Scalable, Shape-Specific, Top-Down Fabrication Methods for the Synthesis of Engineered Colloidal Particles. <i>Langmuir</i> , 2010, 26, 13086-13096. | 1.6 | 202 |
| 11 | Ultrathin Cross-Linked Perfluoropolyether Film Coatings from Liquid CO ₂ and Subsequent UV Curing. <i>Chemistry of Materials</i> , 2010, 22, 2411-2413. | 3.2 | 16 |
| 12 | Monolithic photolithographically patterned Fluorocured PFPE membrane valves and pumps for in situ planetary exploration. <i>Lab on A Chip</i> , 2008, 8, 1024. | 3.1 | 25 |
| 13 | Supramolecular Nanomimetics: Replication of Micelles, Viruses, and Other Naturally Occurring Nanoscale Objects. <i>Small</i> , 2007, 3, 845-849. | 5.2 | 53 |
| 14 | Contact Angle Analysis, Surface Dynamics, and Biofouling Characteristics of Cross-Linkable, Random Perfluoropolyether-Based Graft Terpolymers. <i>Macromolecules</i> , 2006, 39, 2521-2528. | 2.2 | 138 |
| 15 | Monodisperse nanocarriers: novel fabrication of polymeric nanoparticles for bio-nanotechnology. , 2006, , . | | 1 |
| 16 | High-performance imprint lithography and novel metrology methods using multifunctional perfluoropolyethers. , 2006, , . | | 4 |
| 17 | Perfluoropolyethers as novel materials for soft lithography. , 2005, , . | | 0 |
| 18 | Fabrication of Ultramicroelectrodes Using A “Teflon-like” Coating Material. <i>Analytical Chemistry</i> , 2005, 77, 3013-3017. | 3.2 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Direct Fabrication and Harvesting of Monodisperse, Shape-Specific Nanobiomaterials. Journal of the American Chemical Society, 2005, 127, 10096-10100. | 6.6 | 814 |
| 20 | Solvent-Resistant Photocurable "Liquid Teflon" for Microfluidic Device Fabrication. Journal of the American Chemical Society, 2004, 126, 2322-2323. | 6.6 | 426 |
| 21 | High-Resolution Soft Lithography: Enabling Materials for Nanotechnologies. Angewandte Chemie - International Edition, 2004, 43, 5796-5799. | 7.2 | 261 |
| 22 | Cover Picture: High-Resolution Soft Lithography: Enabling Materials for Nanotechnologies (Angew.) | 7.2 | 1 |
| 23 | New fluoropolymer materials. Journal of Fluorine Chemistry, 2004, 125, 1671-1676. | 0.9 | 12 |