

Jason P Rolland

List of Publications by Year in descending order

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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	Direct Fabrication and Harvesting of Monodisperse, Shape-Specific Nanobiomaterials. <i>Journal of the American Chemical Society</i> , 2005, 127, 10096-10100.	6.6	814
2	Solvent-Resistant Photocurable "Liquid Teflon" for Microfluidic Device Fabrication. <i>Journal of the American Chemical Society</i> , 2004, 126, 2322-2323.	6.6	426
3	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
4	High-Resolution Soft Lithography: Enabling Materials for Nanotechnologies. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5796-5799.	7.2	261
5	"Paper Machine" for Molecular Diagnostics. <i>Analytical Chemistry</i> , 2015, 87, 7595-7601.	3.2	260
6	Scalable, Shape-Specific, Top-Down Fabrication Methods for the Synthesis of Engineered Colloidal Particles. <i>Langmuir</i> , 2010, 26, 13086-13096.	1.6	202
7	Reductively Responsive siRNA-Conjugated Hydrogel Nanoparticles for Gene Silencing. <i>Journal of the American Chemical Society</i> , 2012, 134, 7423-7430.	6.6	150
8	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
9	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
10	A device architecture for three-dimensional, patterned paper immunoassays. <i>Lab on A Chip</i> , 2014, 14, 4653-4658.	3.1	72
11	Paper as a novel material platform for devices. <i>MRS Bulletin</i> , 2013, 38, 299-305.	1.7	62
12	Supramolecular Nanomimetics: Replication of Micelles, Viruses, and Other Naturally Occurring Nanoscale Objects. <i>Small</i> , 2007, 3, 845-849.	5.2	53
13	Field Evaluation of a Prototype Paper-Based Point-of-Care Fingertick Transaminase Test. <i>PLoS ONE</i> , 2013, 8, e75616.	1.1	40
14	Fabrication of Ultramicroelectrodes Using A "Teflon-like" Coating Material. <i>Analytical Chemistry</i> , 2005, 77, 3013-3017.	3.2	32
15	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
16	A Point-of-Care Paper-based Fingertick 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
17	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
18	New fluoropolymer materials. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 1671-1676.	0.9	12

#	ARTICLE	IF	CITATIONS
19	Micromolding for the Fabrication of Biological Microarrays. <i>Methods in Molecular Biology</i> , 2011, 671, 249-260.	0.4	5
20	High-performance imprint lithography and novel metrology methods using multifunctional perfluoropolyethers. , 2006, , .		4
21	Cover Picture: High-Resolution Soft Lithography: Enabling Materials for Nanotechnologies (<i>Angew.</i>) Tj ETQq1 1 0.784314 rgBT /Overlaid	7.2	1
22	Monodisperse nanocarriers: novel fabrication of polymeric nanoparticles for bio-nanotechnology. , 2006, , .		1
23	Perfluoropolyethers as novel materials for soft lithography. , 2005, , .		0