Steven Lenhert

List of Publications by Year
in descending order

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39 papers	1,544 citations	394421 19 h-index	345221 36 g-index
41 all docs	41 docs citations	41 times ranked	1946 citing authors

#	Article	IF	Citations
1	Massively Parallel Dip-Pen Nanolithography of Heterogeneous Supported Phospholipid Multilayer Patterns. Small, 2007, 3, 71-75.	10.0	218
2	Langmuirâ€“Blodgett Patterning: A Bottomâ€“Up Way To Build Mesostructures over Large Areas. Accounts of Chemical Research, 2007, 40, 393-401.	15.6	207
3	Osteoblast alignment, elongation and migration on grooved polystyrene surfaces patterned by Langmuirâ€“Blodgett lithography. Biomaterials, 2005, 26, 563-570.	11.4	168
4	Multiplexed Lipid Dipâ€Pen Nanolithography on Subcellular Scales for the Templating of Functional Proteins and Cell Culture. Small, 2008, 4, 1785-1793.	10.0	142
5	Lipid multilayer gratings. Nature Nanotechnology, 2010, 5, 275-279.	31.5	98
6	Nucleic Acid Supercoiling as a Means for Ionic Switching of DNA-Nanoparticle Networks. ChemBioChem, 2001, 2, 260-264.	2.6	80
7	Compartmentalization of the protein repair machinery in photosynthetic membranes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15839-15844.	7.1	74
8	Common Genetic Pathways Regulate Organ-Specific Infection-Related Development in the Rice Blast Fungus. Plant Cell, 2010, 22, 953-972.	6.6	61
9	High-Quality Mapping of DNA-Protein Complexes by Dynamic Scanning Force Microscopy. ChemPhysChem, 2001, 2, 384-388.	2.1	53
10	Functional Implications of Photosystem II Crystal Formation in Photosynthetic Membranes. Journal of Biological Chemistry, 2015, 290, 14091-14106.	3.4	45
11	A Selfâ€Correcting Inking Strategy for Cantilever Arrays Addressed by an Inkjet Printer and Used for Dipâ€Pen Nanolithography. Small, 2008, 4, 1666-1670.	10.0	35
12	Lipid multilayer microarrays for inÂvitro liposomal drug delivery and screening. Biomaterials, 2012, 33, 4187-4194.	11.4	32
13	Mechanism of Regular Pattern Formation in Reactive Dewetting. ChemPhysChem, 2005, 6, 2495-2498.	2.1	29
14	Capillary-Induced Contact Guidance. Langmuir, 2007, 23, 10216-10223.	3.5	29
15	Multifunctional Lipid Multilayer Stamping. Small, 2012, 8, 1021-1028.	10.0	28
16	Magnetic and magnetothermal studies of iron boride (FeB) nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 451, 407-413.	2.3	26
17	High-throughput optical quality control of lipid multilayers fabricated by dip-pen nanolithography. Nanotechnology, 2011, 22, 225301.	2.6	25
18	In situ lipid dipâ€pen nanolithography under water. Scanning, 2010, 32, 15-23.	1.5	24

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19	Polymer Pen Lithography with Lipids for Large-Area Gradient Patterns. Langmuir, 2017, 33, 8739-8748.	3.5	24
20	Convergence of Dip-Pen Nanolithography and acoustic biosensors towards a rapid-analysis multi-sample microsystem. Analyst, The, 2012, 137, 3076.	3.5	18
21	Interface Interaction Controlled Transport of CdTe Nanoparticles in the Microcontact Printing Process. Langmuir, 2006, 22, 7807-7811.	3.5	15
22	Development of a single-cell array for large-scale DNA fluorescence in situ hybridization. Lab on A Chip, 2013, 13, 1316.	6.0	14
23	Materials Integration by Nanointaglio. Advanced Materials Interfaces, 2014, 1, 1300127.	3.7	12
24	Quantitative doseâ€“response curves from subcellular lipid multilayer microarrays. Lab on A Chip, 2015, 15, 3397-3404.	6.0	12
25	Lipid Multilayer Grating Arrays Integrated by Nanointaglio for Vapor Sensing by an Optical Nose. Sensors, 2015, 15, 20863-20872.	3.8	11
26	Evaporative edge lithography of a liposomal drug microarray for cell migration assays. Nanofabrication, 2015, 2, 34-42.	1.1	10
27	Quantification of Protein-Induced Membrane Remodeling Kinetics In Vitro with Lipid Multilayer Gratings. Small, 2016, 12, 506-515.	10.0	10
28	Enhanced cellular uptake of size-separated lipophilic silicon nanoparticles. Scientific Reports, 2017, 7, 43731.	3.3	10
29	Organic Composomes as Supramolecular Aptamers. ACS Omega, 2020, 5, 27393-27400.	3.5	9
30	Advances in Translational Nanotechnology: Challenges and Opportunities. Applied Sciences (Switzerland), 2020, 10, 4881.	2.5	6
31	Low-cost fabrication of centimetre-scale periodic arrays of single plasmid DNA molecules. Lab on A Chip, 2013, 13, 3367.	6.0	3
32	Screening of Lipid Composition for Scalable Fabrication of Solvent-Free Lipid Microarrays. Frontiers in Materials, 2016, 3, .	2.4	3
33	Conjugating Micropatches to Living Cells Through Membrane Intercalation. ACS Applied Materials & Interfaces, 2020, 12, 29110-29121.	8.0	3
34	Highly integrated biophotonics towards all-organic lab-on-chip systems. Proceedings of SPIE, 2010, , .	0.8	1
35	Aptamer Functionalized Lipid Multilayer Gratings for Label-Free Analyte Detection. Nanomaterials, 2020, 10, 2433.	4.1	1
36	Nanoimprinting of Biomaterial Interfaces. Microscopy and Microanalysis, 2003, 9, 458-459.	0.4	0

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37	Biophotonic fluorescence excitation with integrated polymer waveguides. Proceedings of SPIE, 2010, , .	0.8	0
38	Drug discovery: a view through the looking glass. Future Medicinal Chemistry, 2012, 4, 2011-2013.	2.3	0
39	Fluid Lipid Multilayer Stabilization by Tetraethyl Orthosilicate for Underwater AFM Characterization and Cell Culture Applications. MRS Advances, 2017, 2, 3553-3558.	0.9	0