CITATION REPORT List of articles citing

Contact line deposits in an evaporating drop

DOI: 10.1103/physreve.62.756 Physical Review E, 2000, 62, 756-65.

Source: https://exaly.com/paper-pdf/31905740/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1736	Temporal phase-unwrapping algorithm for dynamic interference pattern analysis in interference-contrast microscopy. 2001 , 40, 4487-500		19
1735	Improving spot homogeneity by using polymer substrates in matrix-assisted laser desorption/ionization mass spectrometry of oligonucleotides. 2001 , 73, 2617-24		46
1734	Patterning of small particles by a surfactant-enhanced Marangoni-Bfiard instability. 2002 , 88, 164501		169
1733	Self-Assembly of Iron Nanoparticle Arrays. 2002 , 759, 1		
1732	Simulation of Multi-component Charged Particle Systems. 2002 , 759, 1		1
1731	Surface Morphology of Drying Latex Films: Multiple Ring Formation. 2002, 18, 3441-3445		196
1730	Effects of Phase Behavior on the Drying of Colloidal Suspensions. 2002 , 18, 1626-1633		68
1729	Fluorescence assay based on preconcentration by a self-ordered ring using berberine as a model analyte. 2002 , 74, 5564-8		20
1728	Two-Dimensional Self-Assembly of Latex Particles in Wetting Films on Patterned Polymer Surfaces. 2002 , 106, 2217-2223		35
1727	Contact Line Deposits on cDNA Microarrays: A II win-Spot Effect II 2002, 18, 2952-2954		101
1726	Evaporating Droplets of Completely Wetting Liquids. 2002 , 18, 7985-7990		77
1725	Evaporating Droplets. 2002 , 18, 8070-8078		88
1724	The First Organosiloxane Thin Films Derived from SiCl3-Terminated Dendrons. Thickness-Dependent Nano- and Mesoscopic Structures of the Films Deposited on Mica by Spin-Coating. 2002 , 18, 7728-7739		33
1723	Investigation of Deposition of Monodisperse Particles onto Fibers. 2002 , 18, 4979-4983		5
1722	Evaporation of a Sessile Droplet on a Substrate. 2002 , 106, 1334-1344		1019
1721	Combinatorial chemistry methods for coating development V: generating a combinatorial array of uniform coatings samples. 2003 , 47, 128-135		36
1720	Inkjet printing of polymer thin film transistors. 2003 , 438-439, 279-287		225

(2004-2003)

1719	The distribution of a macromolecular solute within an evaporating drop: an exact analytical solution. 2003 , 231, 85-102		3	
1718	Thin films in wetting and spreading. 2003 , 100-102, 381-398		18	
1717	Mechanical instability induced by complex liquid desiccation. 2003 , 4, 231-239		37	
1716	On the crack pattern formation in a freely drying protein film. 2003 , 48, 1333-1337		6	
1715	Freely Receding Evaporating Droplets. 2003, 19, 8828-8834		79	
1714	Self-Assembly of CoPt3 Nanoparticle Rings Based on Phase-Separated Hexadecylamine Droplet Structure. 2003 , 19, 9573-9576		27	
1713	Long-Range Ordering of Diblock Copolymers Induced by Droplet Pinning. 2003, 19, 9910-9913		151	
1712	Fluorescent microscopic determination of proteins in human serum with the self-ordered ring of nuclear fast red formed on the solid support of glass slides. 2003 , 59, 681-9		3	
1711	DNA molecular configurations in an evaporating droplet near a glass surface. 2003 , 47, 1111-1132		43	
1710	Characteristic angles in the wetting of an angular region: deposit growth. <i>Physical Review E</i> , 2003 , 68, 036306	2.4	34	
1709	Ring formation in nanoliter cups: quantitative measurements of flow in micromachined wells. <i>Physical Review E</i> , 2003 , 68, 036312	2.4	34	
1708	A Novel Sensitive Assay for Determination of Trace Amount of Iron(III) Based on Its Fluorescence Quenching Effect on the Self-Ordered Ring of Quercetin. 2003 , 36, 767-780		3	
1707	Solute Deposit during Evaporation of a Sessile Binary Liquid Micro-Droplet on a Substrate. 2004 , 37, 778-784		13	
1706	Lithographically directed self-assembly of nanostructures. 2004 , 22, 3409		84	
1705	Self-assembled nanoparticle deposits formed at the contact line of evaporating micrometer-size droplets. <i>Physical Review E</i> , 2004 , 69, 061609	2.4	48	
1704	Nanoparticle ring formation in evaporating micron-size droplets. 2004 , 84, 4774-4776		35	
1703	Protein and salt: Spatiotemporal dynamics of events in a drying drop. 2004 , 49, 1055-1063		28	
1702	Effect of nonionic surfactant on wetting behavior of an evaporating drop under a reduced pressure environment. 2004 , 272, 411-9		41	

1701	Fabricating high-quality opal films with uniform structure over a large area. 2004 , 275, 277-83	105
1700	Investigation of thermocapillary convective patterns and their role in the enhancement of evaporation from pores. 2004 , 30, 1071-1091	74
1699	Crust effect on multiscale pattern formations in drying micelle solution drops on solid substrates. 2004 , 20, 9520-5	22
1698	Isothermal desiccation and vitrification kinetics of trehalose-dextran solutions. 2004 , 20, 5521-9	36
1697	Parameters influencing the templated growth of colloidal crystals on chemically patterned surfaces. 2004 , 20, 9114-23	132
1696	Rapid Self-Assembly of Monodisperse Colloidal Spheres in an Ink-Jet Printed Droplet. 2004 , 16, 4212-4215	138
1695	Deposition of cationic polymer micelles on planar SiO2 surfaces. 2004 , 20, 4211-9	10
1694	Limits of the Impact of Gravity on Self-Organizing Nanospheres. 2004 , 108, 8096-8098	24
1693	Polymer patterns in evaporating droplets on dissolving substrates. 2004 , 20, 3456-63	69
1692	Inkjet printing of well-defined polymer dots and arrays. 2004 , 20, 7789-93	407
1691	Controlled, rapid deposition of structured coatings from micro- and nanoparticle suspensions. 2004 , 20, 2099-107	438
1690	Droplet Behaviors on Substrates in Thin-Film Formation Using Ink-Jet Printing. 2004 , 47, 490-496	45
1689	Mechanisms of bands and spirals formation during the drying of watery solutions of mercury (II) chloride with agar-agar. 2005 , 23, 78-86	1
1688	The dynamics of single-molecule DNA in flow. 2005 , 130, 1-28	211
1687	Macro/nao-structured silicon as solid support for antibody arrays. 2005 , 1, 093-104	31
1686	Evaporative deposition patterns: spatial dimensions of the deposit. <i>Physical Review E</i> , 2005 , 71, 036313 2.4	450
1685	The informative-capacity phenomenon of drying drops. 2005 , 24, 96-104	64
1684	Ink-Jet Printing, Self-Assembled Polyelectrolytes, and Electroless Plating: Low Cost Fabrication of Circuits on a Flexible Substrate at Room Temperature. 2005 , 26, 247-264	156

New developments in the production and use of stereoselective antibodies. 2005 , 17 Suppl, S9-18	15
Eude expfimentale de l'Naporation d'une goutte posè sur une plaque chauffante. Influence de la mouillabilit[12005, 44, 137-146	32
Dynamics of Phase Transitions in Drying Drops as an Information Parameter of Liquid Structure. 2005 , 39, 369-374	15
Comments on P ore-Scale Visualization of Colloid Transport and Retention in Partly Saturated Porous Media 2005 , 4, 954-956	14
1679 Manufacturing of 2-D Arrays by Pin-printing Technologies. 2005 , 73-88	3
$_{1678}$ Ink-jet printing of ferroelectric poly(vinylidene fluoride-trifluoroethylene) copolymers. 2005 , 889, 1	4
Library preparation using an aspirating-dispensing ink-jet printer for combinatorial studies in ceramics. 2005 , 20, 2733-2740	18
1676 Fabrication of microvessels and microlenses from polymers by solvent droplets. 2005 , 86, 124101	69
Deposit growth in the wetting of an angular region with uniform evaporation. <i>Physical Review E</i> , 2005 , 72, 046303	4 11
1674 Simple analytical model of capillary flow in an evaporating sessile drop. <i>Physical Review E</i> , 2005 , 71, 027 3 0	4 38
1673 Theoretical analysis of vertical colloidal deposition. 2005 , 122, 184710	23
1672 Potential flow inside an evaporating cylindrical line. <i>Physical Review E</i> , 2005 , 72, 047301 2.	4 30
1671 Bacterial swimming and oxygen transport near contact lines. 2005 , 102, 2277-82	390
Self-organised marangoni motion at evaporating drops or in capillary menisci \blacksquare thermohydrodynamical model. 2005 , 30,	13
Patterns formed by droplet evaporation from a restricted geometry. 2005 , 127, 2816-7	148
1668 Deposition from a drop: morphologies of unspecifically bound DNA. 2005 , 17, S703-S716	24
Drying Mediated Pattern Formation in a Capillary-Held Organometallic Polymer Solution. 2005 , 17, 6223-6	5 226 ₇₂
1666 Superadhesion: Attachment of Nanobacteria to Tissues [Model Simulation. 2005 , 5, 21-23	11

1665	Analysis of desiccation and vitrification characteristics of carbohydrate films by shear-wave resonators. 2005 , 21, 2847-54	15
1664	Formation of Crystalline Ring Patterns on Extremely Hydrophobic Supersmooth Substrates: Extension of Ring Formation Paradigms. 2005 , 5, 551-557	57
1663	Behavior of evaporating droplets at nonsoluble and soluble surfaces: Modeling with molecular resolution. 2005 , 109, 4152-61	16
1662	Self-assembly patterns formed upon solvent evaporation of aqueous cetyltrimethylammonium bromide-coated gold nanoparticles of various shapes. 2005 , 21, 2923-9	351
1661	Rescaling the dynamics of evaporating drops. 2005 , 21, 8226-33	69
1660	Controlling Arrangement of 60 nm Nanospheres in Evaporating Sessile Drops with Low Level Laser Light. 2005 , 5, 559-563	5
1659	Analysis of the microfluid flow in an evaporating sessile droplet. 2005 , 21, 3963-71	494
1658	Analysis of the effects of Marangoni stresses on the microflow in an evaporating sessile droplet. 2005 , 21, 3972-80	624
1657	Microdrops on atomic force microscope cantilevers: evaporation of water and spring constant calibration. 2005 , 109, 253-63	65
1656	Modeling of the Drying Process of Liquid Droplet to Form Thin Film. 2005 , 44, 4229-4234	70
1655	Interfacial aggregation of thioether-substituted phthalocyaninatomagnesium(II)palladium(II) complexes in the toluene/water system. 2005 , 15, 4701	28
1654	Controlled Phase Separation of Polyfluorene Blends via Inkjet Printing. 2005 , 38, 6466-6471	50
1653	Ring stain effect at room temperature in silver nanoparticles yields high electrical conductivity. 2005 , 21, 10264-7	73
1652	Diffusion-driven evaporation of sessile drops. 2005 , 17, S4213-S4227	45
1651	Droplet evaporation study applied to DNA chip manufacturing. 2005, 21, 9130-6	303
1650	Marangoni effect reverses coffee-ring depositions. 2006 , 110, 7090-4	1119
1649	Separation of colloidal nanoparticles using capillary immersion forces. 2006 , 89, 053112	46
1648	Polymer bilayer structure via inkjet printing. 2006 , 88, 163508	28

(2006-2006)

1647	Self-organization of carbon nanotubes in evaporating droplets. 2006 , 110, 13926-30	103
1646	Fabricating a binary pattern of ordered two-dimensional luminescent (mdppy)BF arrays by dewetting. 2006 , 16, 2135	11
1645	Colloidal crystal layers of hexagonal nanoplates by convective assembly. 2006 , 22, 5217-9	59
1644	Moving contact lines of a colloidal suspension in the presence of drying. 2006 , 22, 3186-91	69
1643	Hydration dependence of conformational dielectric relaxation of lysozyme. 2006, 90, 2576-81	91
1642	Forced and natural convective drying of trehalose/water thin films: implication in the desiccation preservation of Mammalian cells. 2006 , 128, 335-46	9
1641	Evaporation-induced flow in an inviscid liquid line at any contact angle. <i>Physical Review E</i> , 2006 , 73, 0412 <u>0.1</u> 4	37
1640	A general method for assembling single colloidal particle lines. 2006 , 6, 524-9	170
1639	Control of colloidal particle deposit patterns within picoliter droplets ejected by ink-jet printing. 2006 , 22, 3506-13	573
1638	Evaporation and Marangoni driven convection in small heated water droplets. 2006 , 22, 11085-91	140
1637	Control of particle-deposition pattern in a sessile droplet by using radial electroosmotic flow. 2006 , 78, 5192-7	25
1636	Palladium nanostructures and nanoparticles from molecular precursors on highly ordered pyrolytic graphite. 2006 , 22, 10185-95	7
1635	Template-assisted formation of gradient concentric gold rings. 2006 , 6, 2949-54	64
1634	Microstructures by solvent drop evaporation on polymer surfaces: dependence on molar mass. 2006 , 22, 11395-9	21
1633	Ordered patterning of nanometric rings of single molecule magnets on polymers by lithographic control of demixing. 2006 , 110, 11607-10	52
1632	Preparation of Ceramic Well Plates for Combinatorial Methods Using the Morphogenic Effects of Droplet Drying. 2006 , 89, 3858-3860	8
1631	Kinetically driven self assembly of highly ordered nanoparticle monolayers. 2006 , 5, 265-70	912
1630	Investigations of crystallization of solutions in microdroplets on an Affymetrix GMS 417 Arrayer device. 2006 , 49, 860-867	2

1629	Radioactive sputter cathodes for 32P plasma-based ion implantation. 2006 , 64, 556-62	2
1628	Template-assisted crystallization and colloidal self-assembly with use of the polymer micrometrically scaled honeycomb template. 2006 , 290, 273-279	8
1627	Template-assisted growth of chemical gardens: Formation of dendrite structures. 2006, 289, 245-249	9
1626	Evaporation of sessile liquid droplets. 2006 , 291, 191-196	37
1625	The coupling between evaporation and adsorbed surfactant accumulation and its effect on the wetting and spreading behaviour of volatile drops on a hot surface. 2006 , 51, 238-252	30
1624	Interfacial interactions and colloid retention under steady flows in a capillary channel. 2006 , 303, 171-84	50
1623	Drying behaviour of droplets of mixed powder suspensions. 2006 , 26, 3123-3131	19
1622	Fluorimetric determination of fluorescein at the femtomole level with a self-ordered ring of a sessile droplet on glass slide support. 2006 , 61, 647-653	9
1621	Effects of droplet size and solute concentration on drying process of polymer solution droplets deposited on homogeneous surfaces. 2006 , 49, 3561-3567	67
1620	Lines of dense nanoparticle colloidal suspensions evaporating on a flat surface: formation of non-uniform dried deposits. 2006 , 294, 343-54	35
1619	Self-Assembly of Single-Walled Carbon Nanotubes into a Sheet by Drop Drying. 2006 , 18, 29-34	111
1618	Polymer-Relief Microstructures by Inkjet Etching. 2006 , 18, 910-914	56
1617	Marangoni flows during drying of colloidal films. 2006 , 18, 082103	48
1616	The contact angle of droplets evaporating at ambient temperature. 2006 ,	3
1615	On the Dynamics of Wetting of Water-Methanol Volatile Sessile Drops on Smooth Substrates. 2006 , 258-260, 469-473	
1614	Measurements of the dynamic contact angle for conditions relevant to immersion lithography. 2006 , 5, 023002	5
1613	Modelling and simulation of micro-well formation. 2006 , 12, 263-276	7
1612	Piling-to-buckling transition in the drying process of polymer solution drop on substrate having a large contact angle. <i>Physical Review E</i> , 2006 , 73, 011601	78

1611	Simple model of skin formation caused by solvent evaporation in polymer solutions. 2006 , 97, 136103	118
1610	Ink-jet printing of organic metal electrodes using charge-transfer compounds. 2006 , 89, 173504	27
1609	Microstructures on soluble polymer surfaces via drop deposition of solvent mixtures. 2006 , 89, 031110	25
1608	Microtopologies in polymer surfaces by solvent drops in contact and noncontact mode. 2006 , 89, 241920	11
1607	Self-assembly of gradient concentric rings via solvent evaporation from a capillary bridge. 2006 , 96, 066104	232
1606	Segregation in multicomponent ceramic colloids during drying of droplets. <i>Physical Review E</i> , 2006 , 73, 021501	18
1605	Direct writing of silver conductive patterns: Improvement of film morphology and conductance by controlling solvent compositions. 2006 , 89, 264101	247
1604	Experimental investigation of steady buoyant-thermocapillary convection near an evaporating meniscus. 2007 , 19, 082103	50
1603	Wetting kinetics of a thin film evaporating in air. 2007 , 19, 112104	2
1602	Lipid-Modulated Assembly of Magnetized Iron-Filled Carbon Nanotubes in Millimeter-Scale Structures. 2007 , 46, 2799-2805	2
1601	Topography of Thin Film Formed by Drying Silver Nanoparticle Dispersion Droplets. 2007 , 46, 6807-6810	14
1600	Self-assembly of iron oxide nanoparticles studied by time-resolved grazing-incidence small-angle x-ray scattering. 2007 , 76,	30
1599	Evaporatively driven morphological instability. <i>Physical Review E</i> , 2007 , 76, 011602 2.4	4
1598	Formation of low-dimensional close-packed arrays of nanoparticles in a dewetting water layer. Physical Review E, 2007 , 76, 041609 2.4	10
1597	Drying Process of Micro-Scale Polymer Solution Droplets Deposited on Lyophobic Surfaces. 2007 , 20, 137-146	4
1596	Nonlithographic patterning through inkjet printing via holes. 2007 , 90, 253513	30
1595	Porous silicon protein microarray technology and ultra-/superhydrophobic states for improved bioanalytical readout. 2007 , 13, 149-200	59
1594	Terahertz Measurements of Protein Relaxational Dynamics. 2007, 95, 1605-1610	28

1593	Marangoni flow in an evaporating water droplet. 2007 , 91, 124102	207
1592	Contact Line Crystallization To Obtain Metastable Polymorphs. 2007 , 7, 108-112	39
1591	Evaporation of water droplets on polymer surfaces. 2007 , 23, 6163-9	87
1590	Time-Resolved Evaporation Rate of Attoliter Glycerine Drops Using On-Chip CMOS Mass Sensors Based on Resonant Silicon Micro Cantilevers. 2007 , 6, 509-512	7
1589	Microfabricated Chip for Calibration of Field Instruments. 2007,	
1588	Controlling microarray spot morphology with polymer liftoff arrays. 2007 , 79, 1109-14	35
1587	Effect of nanoparticle sizes and number densities on the evaporation and dryout characteristics for strongly pinned nanofluid droplets. 2007 , 23, 2953-60	85
1586	Geometric control of inkjet printed features using a gelating polymer. 2007 , 17, 677-683	103
1585	Polymer relief microstructures by inkjet etching. 2007 , 17, 3045	17
1584	Mechanical pinning of liquids through inelastic wetting ridge formation on thermally stripped acrylic polymers. 2007 , 23, 12142-6	24
1583	Templating water stains for nanolithography. 2007 , 7, 2452-8	22
1582	Mesoscale Patterns Formed by Evaporation of a Polymer Solution in the Proximity of a Sphere on a Smooth Substrate: Molecular Weight and Curvature Effects. 2007 , 40, 2831-2836	49
1581	Environmental scanning electron microscopy study of the fine structure of the triple line and cassie-wenzel wetting transition for sessile drops deposited on rough polymer substrates. 2007 , 23, 4378-82	65
1580	Core/Shell Formation of Gold Nanoparticles Induced on Exposure toN,N-Dimethylformamide: Chemical and Morphological Changes. 2007 , 111, 14320-14326	1
1579	Control of spreading and drying of a polymer solution from Marangoni flows. 2007 , 80, 64001	69
1578	Kinetics of colloidal templating using emulsion drop consolidation. 2007 , 23, 12821-6	16
1577	Pattern formation of antifreeze glycoproteins via solvent evaporation. 2007 , 23, 11355-9	8
1576	Nanometer positioning, parallel alignment, and placement of single anisotropic nanoparticles using hydrodynamic forces in cylindrical droplets. 2007 , 7, 2693-700	58

1575	Evaporation-induced self-assembly of nanoparticles from a sphere-on-flat geometry. 2007, 46, 1860-3	203
1574	One-step patterning of aligned nanowire arrays by programmed dip coating. 2007 , 46, 2414-7	142
1573	Evaporation-Induced Self-Assembly of Nanoparticles from a Sphere-on-Flat Geometry. 2007 , 119, 1892-1895	55
1572	One-Step Patterning of Aligned Nanowire Arrays by Programmed Dip Coating. 2007 , 119, 2466-2469	22
1571	Inkjet Printing of Luminescent CdTe Nanocrystal P olymer Composites. 2007 , 17, 23-28	164
1570	Spontaneous Formation of Mesoscale Polymer Patterns in an Evaporating Bound Solution. 2007 , 19, 1413-1417	89
1569	∐yophilisomes∐A New Type of (Bio)capsule. 2007 , 19, 673-677	42
1568	Film formation from polymer solution using inkjet printing method. 2007 , 53, 1100-1108	24
1567	Evaporation Structures of Solvent Drops Evaporating from Polymer Surfaces: Influence of Molar Mass. 2007 , 208, 2134-2144	24
1566	Self-assembly of arrays of micro-rings by colloidal evaporative deposition. 2007 , 601, 4922-4924	2
1565	SnO2 thin-films prepared by a spraygel pyrolysis: Influence of sol properties on film morphologies. 2007 , 516, 25-33	24
1564	Evaporating drops of alkane mixtures. 2007 , 298, 2-11	27
1563	Driving forces of the solute self-organization in an evaporating liquid microdroplet. 2007 , 300, 300-306	33
1562	Receding contact angle in the situation of complete wetting: Experimental check of a model used for evaporating droplets. 2007 , 300, 307-314	16
1561	Uncoated quartz resonator as a universal biosensor. 2007 , 22, 2127-31	17
1560	Novel coating method for artificial opal films and its process analysis. 2007 , 311, 11-15	19
1559	The leading edge of evaporating droplets. 2007 , 312, 164-71	39
1558	Droplet behavior on flat and textured surfaces: co-occurrence of Deegan outward flow with Marangoni solute instability. 2007 , 306, 128-32	21

1557 Condensation of a non-wetting fluid on a solid surface. 2007, 316, 694-8

Characterization and simulation of cDNA microarray spots using a novel mathematical model. 2007 , 8, 485	9
The dynamics of evaporating sessile droplets. 2007 , 69, 1-8	9
1554 Drying of a multicomponent solution drop on a solid substrate: Qualitative analysis. 2007 , 52, 159-16	53 22
1553 Crystallization of solutes from droplets. 2007 , 52, 164-172	6
1552 Dynamics of phase transitions in drying drops of human serum protein solutions. 2007 , 52, 515-520	4
1551 On the nonequilibrium phase transition in protein. 2007 , 52, 787-792	2
1550 Plastic and moldable metals by self-assembly of sticky nanoparticle aggregates. 2007 , 316, 261-4	252
1549 Segregation in desiccated sessile drops of biological fluids. 2007 , 22, 311-4	49
$_{1548}$ Influence of substrate conductivity on circulation reversal in evaporating drops. 2007 , 99, 234502	408
1547 Evaporation of thin liquid droplets on heated surfaces. 2007 , 43, 649-657	34
Non-contact printing of proteins on reactive polymer surfaces: a novel route towards structured and graded cell culture carriers. 2007 , 3, 629-633	7
Drying nano particles solution on an oscillating tip at an air liquid interface: what we can learn, what we can do. 2007 , 2, 309-318	8
1544 Individual dispersion of synthetic imogolite nanotubes via droplet evaporation. 2007 , 52, 2301-2303	13
Dye deposition patterns obtained in line printing on macroporous membranes: Improvement of line sharpness by liquid redistribution. 2008 , 318, 280-287	10
1542 Analysis of human tear fluid by Raman spectroscopy. 2008 , 616, 177-84	71
1541 On modeling evaporation. 2008 , 54, 277-286	1
Superhydrophobic Properties of Nanostructured Microstructured Porous Silicon for Improved Surface-Based Bioanalysis. 2008 , 4, 18-27	34

(2008-2008)

1539	Convectional, sedimentation, and drying dissipative patterns of colloidal crystals of poly (methyl methacrylate) spheres on a cover glass. 2008 , 286, 1123-1133	34
1538	Convectional, sedimentation and drying dissipative patterns of colloidal crystals of poly(methyl methacrylate) spheres on a watch glass. 2008 , 286, 1307-1315	30
1537	Convectional, sedimentation, and drying dissipative patterns of colloidal silica (183 nm in diameter) suspensions in a glass dish and a watch glass. 2008 , 286, 1411-1423	12
1536	Sedimentation and drying dissipative patterns of colloidal crystals of poly(methyl methacrylate) spheres in a glass dish. 2008 , 286, 1527-1535	23
1535	Sharp-cornered liquid drops by wetting of nanoscale features. 2008 , 4, 2140-2	3
1534	A role for microwave processing in the dry preservation of mammalian cells. 2008, 100, 782-96	30
1533	Directed Self-Assembly of Gradient Concentric Carbon Nanotube Rings. 2008, 18, 2114-2122	73
1532	Hierarchical Self-Assembly of Block Copolymers for Lithography-Free Nanopatterning. 2008 , 20, 2303-2307	72
1531	Facile One-Step Growth and Patterning of Aligned Squaraine Nanowires via Evaporation-Induced Self-Assembly. 2008 , 20, 1716-1720	112
1530	Millimeter-Scale Assembly of CdSe Nanorods into Smectic Superstructures by Solvent Drying Kinetics. 2008 , 20, 2308-2314	58
1529	Salt-induced protein phase transitions in drying drops. 2008 , 318, 225-30	75
1528	Influence of polymeric additives on biomimetic silica deposition on patterned microstructures. 2008 , 321, 44-51	22
1527	Stresses and strains in colloidal films during lateral drying. 2008 , 28, 1381-1387	18
1526	Effect of evaporation and solutocapillary-driven flow upon motion and resultant deposition of suspended particles in volatile droplet on solid substrate. 2008 , 41, 2089-2093	10
1525	Influence of heating temperature and relative humidity in the evaporation of pinned droplets. 2008 , 323, 36-49	84
1524	Controlling evaporative thermocapillary convection using external heating: An experimental investigation. 2008 , 32, 1287-1300	17
1523	A mathematical model for the evaporation of a thin sessile liquid droplet: Comparison between experiment and theory. 2008 , 323, 50-55	103
1522	Spreading and evaporation of sessile droplets: Universal behaviour in the case of complete wetting. 2008 , 323, 63-72	31

1521	Membrane device for holding biomolecule samples for terahertz spectroscopy. 2008 , 281, 1909-1913	18
1520	Monitoring the buckling threshold of drying colloidal droplets using water-ethanol mixtures. 2008 , 27, 213-9	15
1519	Nanopatterning self-assembled nanoparticle superlattices by moulding microdroplets. 2008 , 3, 682-90	170
1518	Influence of substrate heating on the evaporation dynamics of pinned water droplets. 2008, 24, 11342-5	42
1517	Heterogeneity in desiccated solutions: implications for biostabilization. 2008 , 94, 2212-27	49
1516	Thin film nanotube transistors based on self-assembled, aligned, semiconducting carbon nanotube arrays. 2008 , 2, 2445-52	424
1515	Inkjet printing as a deposition and patterning tool for polymers and inorganic particles. 2008, 4, 703-713	606
1514	Ink-Jet-Printed OrganicIhorganic Hybrid Dielectrics for Organic Thin-Film Transistors. 2008, 112, 5245-5249	49
1513	Dynamical behavior of an evaporating nanomeniscus: A boundary condition problem at the local scale. 2008 , 81, 34003	9
1512	Optical levitation and transport of microdroplets: Proof of concept. 2008 , 20, 101703	16
1511	Effect of conformation and drop properties on surface-enhanced Raman spectroscopy of dried biopolymer drops. 2008 , 62, 503-11	19
1510	Langmuir-Blodgettry of nanocrystals and nanowires. 2008 , 41, 1662-73	393
1509	Introduction. 2008 , 16, 599	
1508	Modeling evaporation of sessile drops with moving contact lines. <i>Physical Review E</i> , 2008 , 78, 065301 2.4	28
1507	The preferential deposition of micro-particles at the boundary of inkjet printed droplets. 2008 , 4, 1072-1078	51
1506	Tracing coffee tabletop traces. 2008 , 24, 7970-8	34
1505	Shape changes during the drying of droplets of suspensions. 2008 , 24, 3752-8	56
1504	Study of the morphology of the three-phase contact line and its evolution by morphological examination after droplet evaporation of aqueous polymer solutions. 2008 , 24, 7923-30	11

(2008-2008)

1503	process. 2008 , 24, 9102-9	49
1502	Dendrimer Pattern Formation in Evaporating Drops: Solvent, Size, and Concentration Effects. 2008 , 112, 14266-14273	11
1501	Evaporation of sessile droplets of dilute aqueous solutions containing sodium n-alkylates from polymer surfaces: influences of alkyl length and concentration of solute. 2008 , 24, 11442-50	11
1500	Growth Mechanism of Synthetic Imogolite Nanotubes. 2008, 20, 4484-4488	49
1499	Evaporative Organization of Hierarchically Structured Polymer Blend Rings. 2008, 41, 9312-9317	53
1498	Modeling the drying of ink-jet-printed structures and experimental verification. 2008 , 24, 582-9	26
1497	Dynamical visualization of "coffee stain phenomenon" in droplets of polymer solution via fluorescent microscopy. 2008 , 24, 12369-74	89
1496	Microflow and crack formation patterns in drying sessile droplets of liposomes suspended in trehalose solutions. 2008 , 24, 7688-97	11
1495	Self-assembling semicrystalline polymer into highly ordered, microscopic concentric rings by evaporation. 2008 , 24, 3525-31	42
1494	Wetting and evaporation of binary mixture drops. 2008, 112, 11317-23	96
1493	Marangoni effects on evaporative lithographic patterning of colloidal films. 2008, 24, 3681-5	72
1492	Inkjet-printed thiol self-assembled monolayer structures on gold: quality control and microarray electrode fabrication. 2008 , 24, 9110-7	18
1491	Evaporative self-assembly from complex DNA-colloid suspensions. 2008, 24, 3911-7	45
1490	Temperature-dependent formation of dendrimer islands from ring structures. 2008, 112, 16497-504	5
1489	Evaporation of Ethanol-Water Mixture Drop on Horizontal Substrate. 2008, 26, 806-810	19
1488	Stokes flow inside an evaporating liquid line for any contact angle. <i>Physical Review E</i> , 2008 , 78, 036324 2.4	23
1487	Salt crystallization during evaporation: impact of interfacial properties. 2008, 24, 8599-605	166
1486	Evaporation-induced flow near a contact line: Consequences on coating and contact angle. 2008 , 83, 14003	81

1485 S 0	olid-state dewetting-mediated aggregation of nanoparticles. 2008, 77,		19
1484 El	ectrical noise in gold nanoparticle chemiresistors. 2008,		2
1483 Ef	fects of elasticity on drying processes of polymer solutions. <i>Physical Review E</i> , 2008 , 77, 030501	2.4	24
	oupling between precipitation and contact-line dynamics: multiring stains and stick-slip motion.		118
1481 Fr	ront instabilities in evaporatively dewetting nanofluids. <i>Physical Review E</i> , 2008 , 78, 041601	2.4	56
1/80	attern formation by two precipitated species during solvent evaporation. <i>Physical Review E</i> , 2008 , 7, 036223	2.4	2
	dvancing-drying droplets of polymer solutions: Local increase of the viscosity at the contact line.		25
1478 R	egular Horizontal Patterning on Colloidal Crystals Produced by Vertical Deposition. 2008 , 48-56		2
	apillary force on particles near a drop edge resting on a substrate and a criterion for contact line nning. <i>Physical Review E</i> , 2009 , 80, 011603	2.4	61
	fluence of gravitational forces and fluid flows on the shape of surfaces of a viscous fluid of apillary size. <i>Physical Review E</i> , 2009 , 79, 025302	2.4	5
	bsence of Marangoni convection at Marangoni numbers above 27,000 during water evaporation. hysical Review E, 2009 , 80, 056308	2.4	27
1474 In	kjet printing narrow electrodes with . 2009 , 94, 163503		55
1473 Fi	nal shape of a drying thin film. <i>Physical Review E</i> , 2009 , 80, 021603	2.4	75
1472 M	yelin figures: the buckling and flow of wet soap. <i>Physical Review E</i> , 2009 , 79, 061502	2.4	16
	ansport processes associated with inkjet printing of colloidal drops for printable electronics brication. 2009 ,		2
1470 A	simple method for filling nanogap electrodes with polymer. 2009 , 80, 033902		5
1469 C c	onstruction of Micro-Patterned Polymer Structures by Piezoelectric Inkjet Printing. 2009 , 48, 1318-132.	3	10
1468 Ev	vaporation of a thin droplet on a thin substrate with a high thermal resistance. 2009 , 21, 052101		32

(2009-2009)

1467	Quartz crystal microbalance and evaporation of sessile droplets. 2009 , 106, 054906	8
1466	Robust fadeout profile of an evaporation stain. 2009 , 86, 64002	24
1465	Centerline Placement and Alignment of Anisotropic Nanotubes in High Aspect Ratio Cylindrical Droplets of Nanometer Diameter. 2009 , 21, 60-65	40
1464	Inkjet-Printed Quantum Dot B olymer Composites for Full-Color AC-Driven Displays. 2009 , 21, 2151-2155	319
1463	Flow visualization and solute transport in evaporating droplets. 2009 , 56, 1674-1683	12
1462	Droplet Tailoring Using Evaporative Inkjet Printing. 2009 , 210, 387-393	34
1461	The Spreading of Inkjet-Printed Droplets with Varying Polymer Molar Mass on a Dry Solid Substrate. 2009 , 210, 495-502	50
1460	Convectional, sedimentation, and drying dissipative patterns of coffee in the presence of cream and in its absence. 2009 , 287, 351-365	41
1459	Convectional and sedimentation dissipative patterns of Miso soup. 2009 , 287, 167-178	32
1458	Drying dissipative patterns of aqueous solutions of simple electrolytes and their binary mixtures on a cover glass. 2009 , 287, 443-454	10
1457	Convectional, sedimentation, and drying dissipative structures of black tea in the presence and absence of cream. 2009 , 287, 645-657	34
1456	Drying dissipative structures of aqueous solution of poly(ethylene glycol) on a cover glass, a watch glass, and a glass dish. 2009 , 287, 933-942	35
1455	Dissipative crystallization of aqueous solution of sodium polymethacrylate. 2009 , 287, 1155-1165	33
1454	Drying dissipative structures of the aqueous suspensions of palygorskite and tungstic acid particles. 2009 , 287, 1435-1444	14
1453	Inkjet-printed gold nanoparticle chemiresistors: influence of film morphology and ionic strength on the detection of organics dissolved in aqueous solution. 2009 , 632, 135-42	68
1452	Evaporation-Induced Flow Inside Circular Wells: Analytical Results and Simulations. 2009 , 21, 39-44	3
1451	Polymer inkjet printing: Construction of three-dimensional structures at micro-scale by repeated lamination. 2009 , 17, 197-202	27
1450	Directed assembly of nanowires. 2009 , 12, 34-43	150

1449	Mechanofabrication of pancake and rodlike nanostructures from deformable nanoparticle aggregates. 2009 , 5, 2656-8	3
1448	Colloidal dispersion of gold nanorods: Historical background, optical properties, seed-mediated synthesis, shape separation and self-assembly. 2009 , 65, 1-38	260
1447	Inkjet-printed InGaZnO thin film transistor. 2009 , 517, 4007-4010	139
1446	Spherical antireflection coatings by large-area convective assembly of monolayer silica microspheres. 2009 , 93, 85-91	32
1445	Limits to feature size and resolution in ink jet printing. 2009 , 29, 913-918	134
1444	Evaporating characteristics of sessile droplet on hydrophobic and hydrophilic surfaces. 2009 , 86, 1350-1353	117
1443	Process optimization of gravure printed light-emitting polymer layers by a neural network approach. 2009 , 10, 1495-1504	15
1442	Evaporating drops on patterned surfaces: transition from pinned to moving triple line. 2009 , 337, 176-82	88
1441	On evaporation rate and interfacial temperature of volatile sessile drops. 2009 , 333, 170-174	41
1440	A particle transport study of vertical evaporation-driven colloidal deposition by the coffee-ring theory. 2009 , 338, 167-170	15
1439	Self-assembly of colloidal particles on different surfaces. 2009 , 338, 87-92	10
1438	A study of the evaporative deposition process: pipes and truncated transport dynamics. 2009 , 29, 205-18	25
1437	Linear stability of a volatile liquid film flowing over a locally heated surface. 2009, 21, 022105	20
1436	Structural evolution of drying drops of biological fluids. 2009 , 54, 1219-1227	20
1435	Modeling approach to assess clustering impact on release rates of pesticides from microencapsulated products. 2009 , 57, 5443-51	10
1434	Pinning, retraction, and terracing of evaporating droplets containing nanoparticles. 2009 , 25, 3601-9	76
1433	Arched structures created by colloidal droplets as they dry. 2009 , 25, 11299-301	41
1432	Evaporation dynamics of microdroplets on self-assembled monolayers of dialkyl disulfides. 2009 , 25, 13438-47	27

(2009-2009)

1431	Self-assembly of highly fluorescent semiconductor nanorods into large scale smectic liquid crystal structures by coffee stain evaporation dynamics. 2009 , 21, 264013	36
1430	From convective assembly to Landau-Levich deposition of multilayered phospholipid films of controlled thickness. 2009 , 25, 2554-7	202
1429	Unveiling hidden complex cavities formed during nanocrystalline self-assembly. 2009 , 25, 1881-4	16
1428	In situ growing and patterning of aligned organic nanowire arrays via dip coating. 2009 , 25, 665-71	65
1427	Formation of optically anisotropic films from spherical colloidal particles. 2009 , 25, 11197-201	21
1426	Behavior of particles in an evaporating didisperse colloid droplet on a hydrophilic surface. 2009 , 81, 8256-9	29
1425	Convective assembly and dry transfer of nanoparticles using hydrophobic/hydrophilic monolayer templates. 2009 , 25, 11375-82	17
1424	Self-assembly of polystyrene sphere colloidal crystals by in situ solvent evaporation method. 2009 , 159, 1744-1750	30
1423	Wetting and spreading. 2009 , 81, 739-805	1869
1422	Effect of nanoparticle concentration on the convective deposition of binary suspensions. 2009 , 25, 6070-5	44
1422 1421	Effect of nanoparticle concentration on the convective deposition of binary suspensions. 2009 , 25, 6070-5 Marangoni Stress and Its Effects on the Flow in an Evaporating Sessile Droplet. 2009 , 186-187	44
		114
1421	Marangoni Stress and Its Effects on the Flow in an Evaporating Sessile Droplet. 2009 , 186-187 Controlling the drying and film formation processes of polymer solution droplets with addition of	
1421	Marangoni Stress and Its Effects on the Flow in an Evaporating Sessile Droplet. 2009 , 186-187 Controlling the drying and film formation processes of polymer solution droplets with addition of small amount of surfactants. 2009 , 113, 15460-6 Evaporation from microreservoirs. 2009 , 9, 1780-8	114
1421 1420 1419	Marangoni Stress and Its Effects on the Flow in an Evaporating Sessile Droplet. 2009 , 186-187 Controlling the drying and film formation processes of polymer solution droplets with addition of small amount of surfactants. 2009 , 113, 15460-6 Evaporation from microreservoirs. 2009 , 9, 1780-8	114
1421 1420 1419 1418	Marangoni Stress and Its Effects on the Flow in an Evaporating Sessile Droplet. 2009, 186-187 Controlling the drying and film formation processes of polymer solution droplets with addition of small amount of surfactants. 2009, 113, 15460-6 Evaporation from microreservoirs. 2009, 9, 1780-8 Effect of TiO2 nanoparticles on contact line stick-slip behavior of volatile drops. 2009, 113, 8860-6	114 23 128
1421 1420 1419 1418	Marangoni Stress and Its Effects on the Flow in an Evaporating Sessile Droplet. 2009, 186-187 Controlling the drying and film formation processes of polymer solution droplets with addition of small amount of surfactants. 2009, 113, 15460-6 Evaporation from microreservoirs. 2009, 9, 1780-8 Effect of TiO2 nanoparticles on contact line stick-slip behavior of volatile drops. 2009, 113, 8860-6 Drying-Induced Cracks in Thin Film Fabricated from Colloidal Dispersions. 2009, 27, 636-652	114 23 128 85

1413	Evaporation-induced self-organization of inkjet-printed organic semiconductors on surface-modified dielectrics for high-performance organic transistors. 2009 , 25, 5404-10	94
1412	Characterization of the boundary zone of a cast protein drop: fibroin beta-sheet and nanofibril formation. 2009 , 25, 6307-11	30
1411	The role of hydration in the wetting of a soluble polymer. 2009 , 5, 3713	12
1410	Lattice boltzmann simulation of colloidal drop dynamics on patterned substrates for printable electronics fabrication. 2009 ,	1
1409	Analytical solution for Stokes flow inside an evaporating sessile drop: Spherical and cylindrical cap shapes. 2009 , 21, 042102	43
1408	Analytical solution for inviscid flow inside an evaporating sessile drop. <i>Physical Review E</i> , 2009 , 79, 0163014	27
1407	Dynamics and stability of thin liquid films. 2009 , 81, 1131-1198	877
1406	Evaporative lithographic patterning of binary colloidal films. 2009 , 367, 5157-65	32
1405	Stain effects studied by time-resolved infrared imaging. 2009 , 81, 551-6	15
1404	Influence of the sample morphology on total reflection X-ray fluorescence analysis. 2009 , 24, 140-144	5
1403	Crystallization and Self-Organization during Dryness of Polymer Solutions and Suspensions. 2009 , 66, 562-569	1
1402	Formation of Well-Aligned Thin Films of Rod-Like Nanoparticles via Solvent Evaporation: A Simulation Study. 2009 , 2, 065002	9
1401	Dissipative Structure in the Course of Drying Suspensions and Solutions. 2010 , 288, 67-77	31
1400	Biologically inspired porous cooling membrane using arrayed-droplets evaporation. 2010 , 96, 163703	23
1399	Control of the self-assembly processes in a droplet of a colloidal solution by an acoustic field. 2010 , 56, 935-941	9
1398	Effect of evaporation conditions on the spatial redistribution of components in an evaporating liquid drop on a horizontal solid substrate. 2010 , 55, 636-644	11
1397	Drops of biological fluids drying on a hard substrate: Variation of the morphology, weight, temperature, and mechanical properties. 2010 , 55, 929-935	22
1396	Self-assembly of colloidal-particle ensembles in an acoustic field. 2010 , 5, 469-473	8

(2010-2010)

1395	colloidal solution. 2010 , 5, 611-618	4
1394	How a coating is hydrated ahead of the advancing contact line of a volatile solvent droplet. 2010 , 33, 203-10	6
1393	Characterization of drop-on-demand microdroplet printing. 2010 , 48, 243-250	21
1392	Surface plasmon resonance reflectance imaging technique for near-field (~100 nm) fluidic characterization. 2010 , 48, 547-564	13
1391	Experimental analysis of thermo-physical processes in acoustically levitated heated droplets. 2010 , 53, 5663-5674	30
1390	Surface forces action in a vicinity of three phase contact line and other current problems in kinetics of wetting and spreading. 2010 , 161, 139-52	40
1389	Convectional, sedimentary, and drying dissipative patterns of colloidal suspensions of polymer complexes of poly(acrylic acid) with poly(ethylene glycol) and poly(vinyl pyrrolidone). 2010 , 288, 189-197	32
1388	Drying dissipative patterns of aqueous solutions of poly (4-vinyl-N-alkyl-pyridinium halide). 2010 , 288, 245-256	12
1387	Dissipative crystallization of poly-d-lysine hydrobromide, poly-l-lysine hydrobromide, and their low-molecular-weight analogs. 2010 , 288, 981-989	25
1386	Drying dissipative structures of colloidal crystals of silica spheres coated with polymer brushes of poly(carboxymethyl betaine). 2010 , 288, 1233-1243	2
1385	Dissipative crystallization of sodium salt of deoxyribonucleic acid. 2010 , 288, 1435-1444	24
1384	Dissipative crystallization of aqueous solutions of hydroxypropyl cellulose. 2010 , 288, 1551-1559	23
1383	The effect of gold nanoparticles on the spreading of triple line. 2010 , 8, 843-848	19
1382	Evaporation of Ultra-thin Liquid Films into Air. 2010 , 22, 441-446	2
1381	Directed Self-Assembly: Expectations and Achievements. 2010 , 5, 1367-1376	41
1380	Mesoscale surface patterning of a laterally-grafted rod amphiphile: rings and fibers. 2010 , 11, 706-12	4
1379	Self-Assembly of Rodlike Bio-nanoparticles in Capillary Tubes. 2010 , 122, 880-884	26
1378	Self-assembly of rodlike bio-nanoparticles in capillary tubes. 2010 , 49, 868-72	91

1377	Drying of colloidal droplets on superhydrophobic surfaces. 2010 , 351, 283-7	31
1376	Dip coating of charged colloidal suspensions onto substrates with patterned wettability: Coating regime maps. 2010 , 352, 202-10	10
1375	The influence of nanoparticle shape on the drying of colloidal suspensions. 2010 , 352, 99-106	16
1374	Charge transport through a single particle located in between nanogap electrodes. 2010 , 374, 3328-3331	3
1373	Interfacial temperature measurements, high-speed visualization and finite-element simulations of droplet impact and evaporation on a solid surface. 2010 , 53, 3733-3744	47
1372	Thermal and solutal effects on convection inside a polymer solution droplet on a substrate. 2010 , 53, 4448-4457	8
1371	Chemiresistive sensor fabricated by the sequential ink-jet printing deposition of a gold nanoparticle and polymer layer. 2010 , 87, 2258-2263	15
1370	Geometrical characterization of inkjet-printed conductive lines of nanosilver suspensions on a polymer substrate. 2010 , 518, 2890-2896	77
1369	Synthesis, characterizations and biocompatibility of novel biodegradable star block copolymers based on poly[(R)-3-hydroxybutyrate] and poly(epsilon-caprolactone). 2010 , 6, 1079-89	27
1368	Insights into the physics of spray coating of SWNT films. 2010 , 65, 2000-2008	68
1367	Deposition of Brownian particles during evaporation of two-dimensional sessile droplets. 2010 , 65, 2978-2989) 20
1366	Bubble formation in a quiescent pool of gold nanoparticle suspension. 2010 , 159, 72-93	33
1365	Justification of biexponential rate law of spreading over heterogeneous and rough surfaces. 2010 , 354, 252-260	4
1364	Instantaneous distribution of fluxes in the course of evaporation of sessile liquid droplets: Computer simulations. 2010 , 372, 127-134	47
1363	Drying dissipative structures of lycopodium spore particles in aqueous dispersion. 2010 , 80, 193-9	11
1362	Control of inkjet printed profiles by solvent-vapor annealing. 2010 , 31, 164-167	7
1361	A study of the velocity field during evaporation of sessile water and water/ethanol drops. 2010 , 7, 321-328	21
1360	Controlled evaporative assembly of polymers from confined solutions. 2010 , 48, 2552-2557	19

1359 Complex Protein Patterns in Drying Droplets. 2010 , 1273, 30101	9
1358 Linear stability of a solid∏apour interface. 2010 , 466, 1005-1025	3
1357 Printing materials for electronic devices. 2010 , 101, 236-250	17
1356 Dynamics of complete wetting liquid under evaporation. 2010 , 92, 54005	14
1355 Inkjet-printing of nonsintered alumina-resin hybrid films and their dielectric properties. 2010 , 108, 10280	9 17
1354 Dips and rims in dried colloidal films. 2010 , 105, 266103	29
Note: Controllable positioning of a single particle in between nanogap electrodes. 2010 , 81, 106108	6
1352 Hydrophobicity effect in the self assembly of particles in an evaporating droplet. 2010 , 108, 034512	19
1351 Dynamics of the triple contact line on a nonisothermal heater at partial wetting. 2010 , 22, 082105	39
1350 Structural morphology of acoustically levitated and heated nanosilica droplet. 2010 , 97, 123106	28
1349 Physical Review Letters in the Classroom. 2010 , 48, 587-589	
1348 Evaporative Deposition of Bacteria from a Sessile Drop: Effects of Suspension Aging. 2010 , 1273, 30401	
1347 Drying of Latex Films. 2010 , 95-120	1
1346 Spontaneous manufacturing: alumina 128-well plates made by droplet drying. 2010 , 109, 51-55	3
Nonlocal description of evaporating drops. 2010 , 22, 112101	63
Effects of Particle Size and Substrate Surface Properties on Deposition Dynamics of Inkjet-Printed Colloidal Drops for Printable Photovoltaics Fabrication. 2010 , 132,	24
Coffee Stain Ring Effect and Nonuniform Material Removal in Chemical Mechanical Polishing. 2010 , 132,	3
1342 Interference Effects in the Drying of Polymer Droplets on Substrate. 2010 , 79, 044802	22

1341	Formation and stability of lines produced by inkjet printing. 2010 , 26, 10365-72	181
1340	Inkjet Printing of Functional and Structural Materials: Fluid Property Requirements, Feature Stability, and Resolution. 2010 , 40, 395-414	1119
1339	Experimental investigation of evaporation from low-contact-angle sessile droplets. 2010 , 26, 880-8	41
1338	Evaporation of an iodine sphere: hindered diffusion and Langmuir's conjecture. 2010 , 26, 894-8	5
1337	Evaporation of macroscopic sessile droplets. 2010 , 6, 2591	206
1336	Fabrication of Nonsintered Alumina R esin Hybrid Films by Inkjet-Printing Technology. 2010 , 49, 071501	15
1335	Dynamic Water Transport in a Pigmented Porous Coating Medium: Novel Study of Droplet Absorption and Evaporation by Near-Infrared Spectroscopy. 2010 , 49, 4181-4189	11
1334	Controlling profiles of polymer dots by switching between evaporation and condensation. 2010 , 26, 10429-32	26
1333	Structure of circulation flows in polymer solution droplets receding on flat surfaces. 2010 , 26, 3923-8	23
1332	Complex aggregation patterns in drying nanocolloidal suspensions: size matters when it comes to the thermomechanical stability of nanoparticle-based structures. 2010 , 26, 16928-33	6
1331	Forces acting on a single particle in an evaporating sessile droplet on a hydrophilic surface. 2010 , 82, 784-8	47
1330	Controlled assembly of protein in glass capillary. 2010 , 26, 12803-9	23
1329	Efflorescence of ammonium sulfate and coated ammonium sulfate particles: evidence for surface nucleation. 2010 , 114, 9486-95	56
1328	Self-assembly of colloidal particles from evaporating droplets: role of DLVO interactions and proposition of a phase diagram. 2010 , 26, 7833-42	344
1327	Crystal growth near moving contact lines on homogeneous and chemically patterned surfaces. 2010 , 26, 11485-93	26
1326	In situ X-ray scattering studies of protein solution droplets drying on micro- and nanopatterned superhydrophobic PMMA surfaces. 2010 , 26, 15057-64	73
1325	Experimental methods for quantifying the activity of platinum electrocatalysts for the oxygen reduction reaction. 2010 , 82, 6321-8	482
1324	Solution-based fabrication of single-crystalline arrays of organic nanowires. 2010 , 26, 1130-6	48

1323	Numerical Simulation of Colloidal Drop Deposition Dynamics on Patterned Substrates for Printable Electronics Fabrication. 2010 , 6, 579-585		21
1322	Study of the interference effects in an optical cavity for organic light-emitting diode applications. 2010 , 35, 3333-5		8
1321	Preparation of Sol©el Films by Dip-Coating in Extreme Conditions. 2010, 114, 7637-7645		201
1320	Criterion for reversal of thermal Marangoni flow in drying drops. 2010 , 26, 1918-22		84
1319	Capillary force repels coffee-ring effect. <i>Physical Review E</i> , 2010 , 82, 015305	2.4	145
1318	Drying of a colloidal suspension in confined geometry. <i>Physical Review E</i> , 2010 , 82, 021405	2.4	51
1317	Numerical investigation of heat and mass transfer of an evaporating sessile drop on a horizontal surface. 2010 , 22, 112115		58
1316	Advances in patterning materials for 193 nm immersion lithography. 2010 , 110, 321-60		162
1315	Wetting dynamics and particle deposition for an evaporating colloidal drop: a lattice Boltzmann study. <i>Physical Review E</i> , 2010 , 82, 041401	2.4	47
1314	Interplay of processing, morphological order, and charge-carrier mobility in polythiophene thin films deposited by different methods: comparison of spin-cast, drop-cast, and inkjet-printed films. 2010 , 26, 15494-507		32
1313	Preparation of aqueous Ag Ink with long-term dispersion stability and its inkjet printing for fabricating conductive tracks on a polyimide film. 2010 , 108, 102805		65
1312	Minimal size of coffee ring structure. 2010 , 114, 5269-74		264
1311	Self-assembled nanofibers of fluorescent zeolite L crystals and conjugated polymer. 2010 , 26, 1590-3		15
1310	Organization of Pseudomonas fluorescens on chemically different nano/microstructured surfaces. 2010 , 2, 2530-9		30
1309	Lasing in self-assembled microcavities of CdSe/CdS core/shell colloidal quantum rods. 2010 , 2, 931-5		110
1308	Directing semiconductor nanorod assembly into 1D or 2D supercrystals by altering the surface charge. 2010 , 46, 7193-5		49
1307	Densely integrated array of chemiresistor vapor sensors with electron-beam patterned monolayer-protected gold nanoparticle interface films. 2010 , 10, 3058-60		23
1306	Rapid microwave-assisted deposition of microwire patterns of nanoaluminum and nanosilver from colloids. 2010 , 2, 28-34		12

1305	Evaporative deposition patterns of bacteria from a sessile drop: effect of changes in surface wettability due to exposure to a laboratory atmosphere. 2010 , 26, 7293-8	16
1304	Pattern formation in drying droplets of polyelectrolyte and salt. 2010 , 133, 114905	96
1303	Super-hydrophobic film retards frost formation. 2010 , 6, 2396	148
1302	Effect of substrate on particle arrangement in arrays formed by self-assembly of polymer grafted nanoparticles. 2011 , 3, 2138-41	3
1301	Micro-patterns of reduced graphene oxide (RG-O) platelets crafted by a self-assembled template. 2011 , 7, 6811	7
1300	Flow triggered by instabilities at the contact line of a drop containing nanoparticles. 2011 , 7, 5116	11
1299	Chemically improved high performance printed indium gallium zinc oxide thin-film transistors. 2011 , 21, 17066	51
1298	Spontaneous formation of radially aligned microchannels. 2011 , 47, 2047-9	21
1297	Dynamics of the contact line in wetting and diffusing processes of water droplets on hydrogel (PAMPSPAAM) substrates. 2011 , 7, 11425	21
1296	Wetting properties of charged and uncharged polymeric coatings affect of the osmotic pressure at the contact line. 2011 , 7, 4715	6
1295	Two-dimensional nanoparticle organization using block copolymer thin films as templates. 2011 , 21, 2028-2040	65
1294	How does water wet a hydrosoluble substrate?. 2011 , 7, 6953	9
1293	Nanoparticle deposits near the contact line of pinned volatile droplets: size and shape revealed by atomic force microscopy. 2011 , 7, 4152	39
1292	Spiral Alignment of Fullerene Microcrystals via Dewetting. 2011 , 539, 83/[423]-87/[427]	4
1291	Enhanced Evaporation of Sessile Water Droplet on Vertically Standing Ag Nanorods Film. 2011 , 115, 11914-11919	14
1290	Polymer Transports Inside Evaporating Water Droplets at Various Substrate Temperatures. 2011 , 115, 15375-15383	31
1289	Dependence of volatile droplet lifetime on the hydrophobicity of the substrate. 2011 , 27, 4572-7	47
1288	Quantitatively probing the means of controlling nanoparticle assembly on surfaces. 2011 , 27, 5792-805	5

1287	Packing and sorting colloids at the contact line of a drying drop. 2011 , 27, 2917-22	71
1286	A "paint-on" protocol for the facile assembly of uniform microgel coatings for color tunable etalon fabrication. 2011 , 3, 1140-7	71
1285	Self-assembly of virus particles on flat surfaces via controlled evaporation. 2011 , 27, 1398-402	36
1284	Impact of film drying procedures on RDE characterization of Pt/VC electrocatalysts. 2011 , 662, 396-406	165
1283	Use of IR thermography to investigate heated droplet evaporation and contact line dynamics. 2011 , 27, 6744-52	24
1282	On evaporation of sessile drops with moving contact lines. 2011 , 679, 219-246	73
1281	Preparation of active layers in polymer solar cells by aerosol jet printing. 2011 , 3, 4053-8	72
1280	Fast evaporation of spreading droplets of colloidal suspensions. 2011 , 27, 11347-63	106
1279	Solvent and substrate effects on inkjet-printed dots and lines of silver nanoparticle colloids. 2011 , 21, 045012	31
1278	Stick-slip of evaporating droplets: substrate hydrophobicity and nanoparticle concentration. 2011 , 27, 12834-43	186
1277	How water droplets evaporate on a superhydrophobic substrate. <i>Physical Review E</i> , 2011 , 83, 026306 2.4	137
1276	Ordered patterns and structures via interfacial self-assembly: superlattices, honeycomb structures and coffee rings. 2011 , 40, 5457-71	149
1275	Thin-film morphology of inkjet-printed single-droplet organic transistors using polarized Raman spectroscopy: effect of blending TIPS-pentacene with insulating polymer. 2011 , 5, 9824-35	105
1274	Crystal morphology variation in inkjet-printed organic materials. 2011 , 258, 827-833	27
1273	Suppression of the coffee-ring effect by shape-dependent capillary interactions. 2011 , 476, 308-11	1071
1272	Pulsed-laser printing of silver nanoparticles ink: control of morphological properties. 2011 , 19, 21563-74	76
1271	Role of the meniscus shape in large-area convective particle assembly. 2011 , 27, 8621-33	59
1270	Stable aqueous based Cu nanoparticle ink for printing well-defined highly conductive features on a plastic substrate. 2011 , 27, 3144-9	157

1269	Nanofluid surface wettability through asymptotic contact angle. 2011 , 27, 2211-8	55
1268	Assembly of Janus fullerenol: a novel approach to prepare rich carbon structures. 2011 , 21, 14864	12
1267	Inkjet-Printing of TiO2Co-Solvent Ink: From Uniform Ink-Droplet to TiO2Photoelectrode for Dye-Sensitized Solar Cells. 2011 , 159, B34-B38	25
1266	Triple-line behavior and wettability controlled by nanocoated substrates: influence on sessile drop evaporation. 2011 , 27, 14999-5007	116
1265	Dynamics of Drying Process of Polymer Solution Droplets: Analysis of Polymer Transport and Control of Film Profiles. 2011 , 39, 17-28	13
1264	Self-organized crystallization patterns from evaporating droplets of common wheat grain leakages as a potential tool for quality analysis. 2011 , 11, 1712-25	31
1263	Length and time scales of a liquid drop impact and penetration into a granular layer. 2011, 675, 552-573	33
1262	Inducing a Curl with a Stretch. 2011 , 4,	5
1261	Pt/CdTe/Pt asymmetric nano-Schottky diodes from colloidal quantum dots. 2011 , 1, 042166	4
1260	Ink-Jet Printing of Zirconia: Coffee Staining and Line Stability. 2011 , 94, 3787-3792	53
1260 1259	Ink-Jet Printing of Zirconia: Coffee Staining and Line Stability. 2011 , 94, 3787-3792 Inkjet printing ceramics: From drops to solid. 2011 , 31, 2543-2550	53 226
1259	Inkjet printing ceramics: From drops to solid. 2011 , 31, 2543-2550 Considerations on the ideal sample shape for Total Reflection X-ray Fluorescence Analysis. 2011 ,	226
1259 1258	Inkjet printing ceramics: From drops to solid. 2011 , 31, 2543-2550 Considerations on the ideal sample shape for Total Reflection X-ray Fluorescence Analysis. 2011 , 66, 815-821 New additives to offer freezethaw stability and increase open time of low/zero VOC latex paints.	226 12
1259 1258 1257	Inkjet printing ceramics: From drops to solid. 2011, 31, 2543-2550 Considerations on the ideal sample shape for Total Reflection X-ray Fluorescence Analysis. 2011, 66, 815-821 New additives to offer freezethaw stability and increase open time of low/zero VOC latex paints. 2011, 72, 115-119 Dynamics of mechanical properties of drying drops of biological liquids as a reflection of the	226 12 12
1259 1258 1257 1256	Inkjet printing ceramics: From drops to solid. 2011, 31, 2543-2550 Considerations on the ideal sample shape for Total Reflection X-ray Fluorescence Analysis. 2011, 66, 815-821 New additives to offer freezethaw stability and increase open time of low/zero VOC latex paints. 2011, 72, 115-119 Dynamics of mechanical properties of drying drops of biological liquids as a reflection of the features of self-organization of their components from nano- to microlevel. 2011, 56, 1005-1010 Evaporation of sessile water droplets: Universal behaviour in presence of contact angle hysteresis.	226 12 12
1259 1258 1257 1256 1255	Inkjet printing ceramics: From drops to solid. 2011 , 31, 2543-2550 Considerations on the ideal sample shape for Total Reflection X-ray Fluorescence Analysis. 2011 , 66, 815-821 New additives to offer freezethaw stability and increase open time of low/zero VOC latex paints. 2011 , 72, 115-119 Dynamics of mechanical properties of drying drops of biological liquids as a reflection of the features of self-organization of their components from nano- to microlevel. 2011 , 56, 1005-1010 Evaporation of sessile water droplets: Universal behaviour in presence of contact angle hysteresis. 2011 , 391, 135-144	226 12 12 4

1251	Percolation transitions in composites formed by the evaporation of droplets of silver nanoparticle dispersions. 2011 , 73, 176-184	19
1250	On integrable singularities and apparent contact angles within a classical paradigm. 2011 , 197, 89-113	29
1249	Note on thin film equations for solutions and suspensions. 2011 , 197, 213-220	31
1248	Droplets evaporation: Problems and solutions. 2011 , 197, 265-278	42
1247	A model coupling the liquid and gas phases for a totally wetting evaporative meniscus. 2011 , 197, 281-293	9
1246	Computational approach to drying a nanoparticle-suspended liquid droplet. 2011 , 13, 59-68	22
1245	Drying dissipative structure of sodium dextran sulfate in aqueous solution. 2011 , 289, 159-167	17
1244	Drying dissipative structures of thermo-sensitive gel spheres of poly(N-isopropylacrylamide). 2011 , 289, 807-816	27
1243	Desiccating colloidal sessile drop: dynamics of shape and concentration. 2011 , 289, 1015-1023	29
1242	Dissipative crystallization of sodium salts of carboxymethyl cellulose. 2011 , 289, 1205-1213	16
1241	Dissipative crystallization of sodium salts of poly (d-glutamic acid), poly (l-glutamic acid), and their low molecular weight analogs. 2011 , 289, 1729-1737	15
1240	Engineered droplets for dried droplet solute deposition by mass spectrometric imaging. 2011 , 11, 145-156	6
1239	A spin-drying technique for lyopreservation of mammalian cells. 2011 , 39, 1582-91	27
1238	Have flagella a preferred orientation during early stages of biofilm formation?: AFM study using patterned substrates. 2011 , 82, 536-42	36
1237	Dissipative crystallization of aqueous mixtures of potassium salts of poly(riboadenylic acid) and poly(ribouridylic acid). 2011 , 87, 439-46	17
1236	Characterization and mathematical modelling of single fluidised particle coating. 2011 , 207, 245-256	27
1235	Effect of suspended particles on spreading of volatile droplet on solid substrate. 2011 , 14, 285-294	3
1234	Spray deposition of highly transparent, low-resistance networks of silver nanowires over large areas. 2011 , 7, 2621-8	254

1233	Combinatorial Screening of Polymer:Fullerene Blends for Organic Solar Cells by Inkjet Printing. 2011 , 1, 105-114	87
1232	Stripe coating with a coffee-ring effect for color filter solutions. 2011 , 120, 1555-1565	6
1231	Microstructuring of polymer films by inkjet etching. 2011 , 122, 3637-3643	19
1230	One-Step Self-Assembly, Alignment, and Patterning of Organic Semiconductor Nanowires by Controlled Evaporation of Confined Microfluids. 2011 , 123, 2863-2867	5
1229	One-step self-assembly, alignment, and patterning of organic semiconductor nanowires by controlled evaporation of confined microfluids. 2011 , 50, 2811-5	63
1228	Infrared visualization of thermal motion inside a sessile drop deposited onto a heated surface. 2011 , 35, 521-530	127
1227	Surfactant distribution in waterborne acrylic films. 2011 , 374, 58-68	18
1226	Fabrication of colloidal arrays by self-assembly of sub-100nm silica particles. 2011 , 377, 76-86	12
1225	Evaporation of sessile drops under combined diffusion and natural convection. 2011 , 381, 31-36	98
1224	Dissipative crystallization of potassium salt of poly(riboadenylic acid). 2011, 87, 11-7	22
1223	Jet printing of colloidal solutions INumerical modeling and experimental verification of the influence of ink and surface parameters on droplet spreading. 2011 , 22, 266-270	4
1222	Morphology tunable pinning force and evaporation modes of water droplets on PDMS spherical cap micron-arrays. 2011 , 508, 134-138	27
1221	Bacterial cell manipulation by dielectrophoresis on a hydrophobic guide structure. 2011 , 13, 600-604	5
1220	Evaporation of liquids on chemically patterned surfaces. 2011 , 50, 583-588	
1219	Ultrahydrophobic PMMA micro- and nano-textured surfaces fabricated by optical lithography and plasma etching for X-ray diffraction studies. 2011 , 88, 1660-1663	27
1218	Patterning of pinhole free small molecular organic light-emitting films by ink-jet printing. 2011 , 12, 703-709	60
1217	Plasma modification of self-assembled structures of CoTMPP molecules. 2011 , 257, 3480-3488	6
1216	Assembly of nanoparticles at the contact line of a drying droplet under the influence of a dipped tip. 2011 , 360, 8-14	17

1215	Film formation properties of inkjet printed poly(phenylene-ethynylene)-poly(phenylene-vinylene)s. 2011 , 519, 3695-3702		24
1214	Structure and flow of droplets on solid surfaces. 2011 , 23, 184111		6
1213	Order-of-magnitude increase in flow velocity driven by mass conservation during the evaporation of sessile drops. <i>Physical Review E</i> , 2011 , 83, 051602	2.4	36
1212	Effect of Dispersion Medium and Dominated Evaporation on the Pattern Formation of Colloidal Suspension. 2011 , 228-229, 732-736		
1211	Solid surface free energy analysis using inkjet droplets. 2011 , 1360, 151001		
1210	Convection-enhanced water evaporation. 2011 , 1, 012102		16
1209	THE MODEL OF DRYING SESSILE DROP OF COLLOIDAL SOLUTION. 2011 , 25, 1303-1310		12
1208	Substrate-mediated pattern formation in monolayer transfer: a reduced model. 2012 , 14, 023016		19
1207	The effect of droplet ejection frequency on the dimensions of inkjet-etched micro-via holes in poly4(-vinyl phenol) thin films. 2012 , 45, 125303		2
1206	Droplet motion in one-component fluids on solid substrates with wettability gradients. <i>Physical Review E</i> , 2012 , 85, 051601	2.4	30
1205	Ring stains in the presence of electrokinetic interactions. <i>Physical Review E</i> , 2012 , 85, 046311	2.4	22
1204	The penetration limit of poly(4-vinyl phenol) thin films for etching via holes by inkjet printing. 2012 , 101, 253302		11
1203	Patterned surfaces in the drying of films composed of water, polymer, and alcohol. <i>Physical Review E</i> , 2012 , 86, 061601	2.4	5
1202	Thermal effects of the substrate on water droplet evaporation. <i>Physical Review E</i> , 2012 , 86, 021602	2.4	130
1201	CMOS monolithic chemiresistor array with microfluidic channel for micro gas chromatograph. 2012,		
1200	Spreading profile of evaporative liquid drops in thin porous layer. <i>Physical Review E</i> , 2012 , 85, 016314	2.4	1
1199	Spray deposition of Silver Nanowire transparent conductive networks. 2012,		1
1198	Droplet hydrodynamics during lysozyme protein crystallization. <i>Physical Review E</i> , 2012 , 86, 051602	2.4	11

1197	Redundant phenazine operons in Pseudomonas aeruginosa exhibit environment-dependent expression and differential roles in pathogenicity. 2012 , 109, 19420-5	112
1196	Factors Dominating Polymer Film Morphology Formed from Droplets Using Mixed Solvents. 2012 , 45, 622-629	4
1195	Marangoni Flows in Polymer Solution Droplets Drying on Heating Surfaces. 2012 , 45, 128-135	11
1194	The Flow Characteristics of an Evaporating Ethanol Water Mixture Droplet on a Glass Substrate. 2012 , 7, 425-436	15
1193	Jettable fluid space and jetting characteristics of a microprint head. 2012 , 713, 109-122	6
1192	Inkjet-printed gold electrodes on paper: characterization and functionalization. 2012 , 4, 955-64	99
1191	Direct imaging of DNA fibers: the visage of double helix. 2012 , 12, 6453-8	59
1190	Radial-velocity profile along the surface of evaporating liquid droplets. 2012 , 8, 5797	28
1189	Evaporation of Sessile Water Droplets in Presence of Contact Angle Hysteresis. 2012 , 7, 82-98	4
1188	Confined drying of a complex fluid drop: phase diagram, activity, and mutual diffusion coefficient. 2012 , 8, 5923	12
1187	Assembly of Virus Particles and Virus-like Particles as Templates for Biomedical Applications. 2012 , 21-56	1
1186	Dynamics of liquid droplets in an evaporating drop: liquid droplet doffee stainleffect. 2012, 2, 8390	19
1185	PHEMA functionalization of gold nanoparticles for vapor sensing: Chemi-resistance, chemi-capacitance and chemi-impedance. 2012 , 170, 129-136	21
1184	Electrical conductivity enhancement in inkjet-printed narrow lines through gradual heating. 2012 , 22, 035016	28
1183	CMOS Monolithic Nanoparticle-Coated Chemiresistor Array for Micro-Scale Gas Chromatography. 2012 , 12, 2444-2452	10
1182	Resonant MEMS Mass Sensors for Measurement of Microdroplet Evaporation. 2012 , 21, 702-711	40
1181	Ink-jet printing of YBa2Cu3O7 superconducting coatings and patterns from aqueous solutions. 2012 , 22, 3717-3726	53
1180	Buckling-induced structural transition during the drying of a polymeric latex droplet on a solid surface. 2012 , 8, 12093	12

1179	Spontaneous pattern formation based on the coffee-ring effect for organicIhorganic hybrid films prepared by dip-coating: effects of temperature during deposition. 2012 , 8, 11318	24
1178	Formation of coffee stains on porous surfaces. 2012 , 28, 5331-8	53
1177	Spontaneous pattern formation on silica and titania dip-coating films prepared at extremely low substrate withdrawal speeds. 2012 , 2, 467-473	9
1176	Modelling the formation of structured deposits at receding contact lines of evaporating solutions and suspensions. 2012 , 8, 11363	52
1175	How the change of contact angle occurs for an evaporating droplet: effect of impurity and attached water films. 2012 , 8, 11889	32
1174	Evaporative preconcentration and cryopreservation of fluorescent analytes using superhydrophobic surfaces. 2012 , 8, 3563	20
1173	Pattern formation by dewetting and evaporating sedimenting suspensions. 2012 , 8, 4682	8
1172	Large-scale patterning by the roll-based evaporation-induced self-assembly. 2012 , 22, 22844	17
1171	Drying dip-coated colloidal films. 2012 , 28, 200-8	58
1170	Organic nanocomposite structure tailored by controlling droplet coalescence during inkjet printing. 2012 , 4, 4691-9	29
1169	Characteristic size for onset of coffee-ring effect in evaporating lysozyme-water solution droplets. 2012 , 116, 12213-20	22
1168	Hierarchically structured multifunctional porous interfaces through water templated self-assembly of ternary systems. 2012 , 28, 9778-87	40
1167	CryoSEM investigation of latex coatings dried in walled substrates. 2012 , 28, 10329-33	15
1166	Superhydrophobic surfaces as smart platforms for the analysis of diluted biological solutions. 2012 , 4, 3213-24	85
1165	Lysozyme pattern formation in evaporating drops. 2012 , 28, 4039-42	28
1164	Drying mechanism of poly(N-isopropylacrylamide) microgel dispersions. 2012 , 28, 12962-70	58
1163	Effect of a rupturing encapsulated bubble in inducing the detachment of a drop. 2012 , 28, 17656-65	5
1162	Air-flow navigated crystal growth for TIPS pentacene-based organic thin-film transistors. 2012 , 13, 1819-1826	56

1161	Fabrication and characterizations of crosslinked porous polymer films with varying chemical compositions. 2012 , 53, 3749-3755	20
1160	Spatially resolved evaporative patterns from water. 2012 , 8, 11850	4
1159	OWL-based nanomasks for preparing graphene ribbons with sub-10 nm gaps. 2012 , 12, 4734-7	15
1158	Contamination of stainless steel in an electrospray ionization source. 2012 , 258, 5270-5282	1
1157	Onset of Marangoni convection for evaporating sessile droplets. 2012 , 383, 198-207	20
1156	Multiphase designer droplets for liquid-liquid extraction. 2012 , 24, 6240-3	22
1155	Numerical simulation of natural convection in a sessile liquid droplet. 2012 , 19, 317-328	9
1154	Synthesis, optical properties and self-assembly of gold nanorods. 2012 , 7, 688-702	9
1153	Sterically Stabilized Nanoparticles in Solutions and at Interfaces. 2012 , 287-312	
1152	Ink-Jet Printing of Functional Polymers for Advanced Applications. 2012 , 147-175	2
1151	Stokes flow near the contact line of an evaporating drop. 2012 , 709, 69-84	47
1150	Controlled orientation and alignment in films of single-walled carbon nanotubes using inkjet printing. 2012 , 28, 8753-9	23
1149	Coffee stain-driven self-assembly of mesoporous rings. 2012 , 163, 356-362	9
1148	Avoiding coffee ring structure based on hydrophobic silicon pillar arrays during single-drop evaporation. 2012 , 8, 10448	47
1147	Crystallization mechanisms in convective particle assembly. 2012 , 28, 8300-8	37
1146	Sweating liquid micro-marbles: dropwise condensation on hydrophobic nanoparticulate materials. 2012 , 28, 14860-6	15
1145	Controlled semiconductor nanorod assembly from solution: influence of concentration, charge and solvent nature. 2012 , 22, 1562-1569	72
1144	Fabrication of Lead Zirconate Titanate Films by Inkjet Printing. 2012 , 51, 09LA11	3

(2012-2012)

1143	86, 056317	11
1142	Drying dissipative structures of thermosensitive gel spheres of poly (N-isopropylacrylamide). Influence of gel size. 2012 , 290, 1901-1911	22
1141	Method for studying phase transitions in drying drops and its application in assessing the physicochemical properties of water and aqueous solutions. 2012 , 57, 722-726	1
1140	Application of Silver Nitrate Solution and Inkjet Printing in the Fabrication of Microstructural Patterns on Glass Substrates. 2012 , 116, 4612-4620	10
1139	Biomarker-mediated disruption of coffee-ring formation as a low resource diagnostic indicator. 2012 , 28, 2187-93	57
1138	Self-assembly of montmorillonite platelets during drying. 2012 , 7, 046004	12
1137	Computer simulations of evaporation of pinned sessile droplets: influence of kinetic effects. 2012 , 28, 15203-11	42
1136	Suppression of the coffee ring effect by hydrosoluble polymer additives. 2012 , 4, 2775-80	133
1135	High-resolution epifluorescence and time-of-flight secondary ion mass spectrometry chemical imaging comparisons of single DNA microarray spots. 2012 , 84, 10628-36	20
1134	Luminescent Iridium(III)-Containing Block Copolymers: Self-Assembly into Biotin-Labeled Micelles for Biodetection Assays. 2012 , 1, 954-959	31
1133	Inkjet printing of conductive materials: a review. 2012 , 38, 193-213	294
1132	A Lattice Boltzmann Simulation of Contact Line Motion and Internal Fluid Flows in an Evaporating Droplet on Homogenous Substrates. 2012 , 45, 155-165	
1131	Polymerization of free secondary amine bearing monomers by RAFT polymerization and other controlled radical techniques. 2012 , 50, 1394-1407	66
1130	Effects of relative humidity and substrate on the spatial association between glyphosate and ethoxylated seed oil adjuvants in the dried deposits of sessile droplets. 2012 , 68, 231-9	17
1129	Thermocapillary instabilities in an evaporating drop deposited onto a heated substrate. 2012 , 24, 032103	57
1128	Dynamics of the Drying Defects Left by Residual Ultra-Pure Water Droplets on Silicon Substrate. 2012 , 1, P34-P39	12
1127	Inkjet Printing of zinc(II) bis-2,2':6',2"-terpyridine metallopolymers: printability and film-forming studies by a combinatorial thin-film library approach. 2012 , 33, 503-9	18
1126	Polymer Microparticles Exhibit Size and Shape Dependent Accumulation around the Nucleus after Endocytosis. 2012 , 22, 3759-3764	32

1125	Von Kaffeeringenllernen: geordnete Strukturen durch Selbstorganisation bei kontrollierter Verdunstung. 2012 , 124, 1566-1579	19
1124	The relation of steady evaporating drops fed by an influx and freely evaporating drops. 2012 , 73, 17-30	14
1123	Improvement of Bondability by Depressing the Inhomogeneous Distribution of Nanoparticles in a Sintering Bonding Process with Silver Nanoparticles. 2012 , 41, 1924-1930	20
1122	Drying dissipative structures of thermo-sensitive gel spheres of poly(N-isopropylacrylamide). Influence of degree of cross-linking of the gels. 2012 , 290, 867-877	21
1121	Theoretical and experimental analysis of droplet evaporation on solid surfaces. 2012 , 69, 522-529	141
1120	Evaporation of pure liquid sessile and spherical suspended drops: a review. 2012, 170, 67-86	379
1119	Controlled particle self-assembly in an evaporating droplet. 2012, 398, 64-68	10
1118	Quasi-logarithmic spacing law in dewetting patterns from the drying meniscus of a polymer solution. 2012 , 529, 74-78	8
1117	Formation of a polymer particle monolayer by continuous self-assembly from a colloidal solution. 2012 , 368, 9-13	7
1116	Evaporation of a sessile droplet: inside the coffee stain. 2012 , 370, 155-61	60
1115	Influence of surface orientation on the organization of nanoparticles in drying nanofluid droplets. 2012 , 377, 456-62	48
1114	An accurate evaluation for the activity of nano-sized electrocatalysts by a thin-film rotating disk electrode: Oxygen reduction on Pt/C. 2012 , 72, 120-128	53
1113	All additive inkjet printed humidity sensors on plastic substrate. 2012 , 166-167, 212-222	126
1112	Near-superhydrophobic behavior of multi-walled carbon nanotube thin films. 2012 , 520, 4332-4338	9
1111	A comparative assessment of surface microstructure and electrical conductivity dependence on co-solvent addition in spin coated and inkjet printed poly(3,4-ethylenedioxythiophene):polystyrene sulphonate (PEDOT:PSS). 2012 , 13, 409-418	49
1110	Effect of Salt Concentration on the Pattern Formation of Colloidal Suspension. 2012 , 24, 122-126	1
1109	Peculiarities of the surface crystallization of sodium chloride on mucin films. 2012 , 74, 207-214	9
1108	Morphological changes during annealing of polyethylene nanocrystals. 2012 , 35, 1-12	10

(2013-2012)

1107	Learning from "coffee rings": ordered structures enabled by controlled evaporative self-assembly. 2012 , 51, 1534-46	358
1106	Particle image velocimetry and infrared thermography in a levitated droplet with nanosilica suspensions. 2012 , 52, 795-807	28
1105	Drying dissipative structures of thermo-sensitive gel spheres of poly(N-isopropylacrylamide) with low degree of cross-linking. 2012 , 290, 411-421	22
1104	Electrical functionality of inkjet-printed silver nanoparticle conductive tracks on nanostructured paper compared with those on plastic substrates. 2013 , 1, 5235	84
1103	Surface treatment patterning of organic photovoltaic films for low-cost modules. 2013 , 14, 430-435	17
1102	Influence of substrate elasticity on particle deposition patterns from evaporating waterBilica suspension droplets. 2013 , 9, 7942	34
1101	Experimental evidence of the atmospheric convective transport contribution to sessile droplet evaporation. 2013 , 102, 061603	78
1100	Evaporation of a sessile drop with pinned or receding contact line on a substrate with different thermophysical properties. 2013 , 58, 197-208	53
1099	Effect of surfactant on the drying patterns of graphite nanofluid droplets. 2013 , 117, 5932-8	42
1098	Evaporation-Induced Branched Structures from Sessile Nanofluid Droplets. 2013 , 117, 7835-7843	27
1097	Vapor distribution above an evaporating sessile drop. 2013 , 65, 165-172	36
1096	Understanding the evaporation of spherical drops in quiescent environment. 2013 , 432, 82-88	13
1095	Evaporation of nanodroplets on heated substrates: a molecular dynamics simulation study. 2013 , 29, 9770-82	45
1094	A Mathematical Model for the Design and Fabrication of Polymer Solar Cells by Spray Coating. 2013 , 31, 405-413	22
1093	Inkjet printing of fluorinated materials and their application to patterning organic semiconductors. 2013 , 1, 5647	8
1092	Self-assembly of nanoparticles in the microvolume of colloidal solution: Physics, modeling, and experiment. 2013 , 8, 137-162	26
1091	Macroscopic nanoparticle ribbons and fabrics. 2013 , 25, 1248-53	51
1090	Artificial leaf structures as a UV detector formed by the self-assembly of ZnO nanoparticles. 2013 , 5, 2864-9	31

1089	Drying dissipative structures of lightly cross-linked poly(2-vinyl pyridine) cationic gel spheres stabilized with poly(ethylene glycol) in the deionized aqueous suspension. 2013 , 291, 1019-1030	17
1088	Pattern transition and sluggish cracking of colloidal droplet deposition with polymer additives. 2013 , 56, 1712-1718	14
1087	Numerical simulation of an evaporative meniscus on a moving substrate. 2013 , 219, 25-31	3
1086	Numerical simulation of complex fluid drying in a Hele-Shaw cell. 2013 , 219, 51-57	5
1085	Evaporation of pinned sessile microdroplets of water on a highly heat-conductive substrate: Computer simulations. 2013 , 219, 143-154	13
1084	Dip coating with colloids and evaporation. 2013 , 68, 69-73	36
1083	Imaging internal flows in a drying sessile polymer dispersion drop using Spectral Radar Optical Coherence Tomography (SR-OCT). 2013 , 395, 287-93	37
1082	High-density, homogeneous endospore monolayer deposition on test surfaces. 2013 , 94, 245-8	2
1081	Salt-induced pattern formation in evaporating droplets of lysozyme solutions. 2013 , 103, 59-66	60
1080	Wetting and evaporation of a sessile drop under an external electrical field: A review. 2013 , 432, 50-56	40
1079	Preserving precision of inkjet-printed features with solvents of different volatilities. 2013 , 29, 11330-6	10
1078	Distribution of biomolecules in porous nitrocellulose membrane pads using confocal laser scanning microscopy and high-speed cameras. 2013 , 85, 3723-9	11
1077	Evaporation kinetics of sessile droplets of aqueous suspensions of inorganic nanoparticles. 2013 , 403, 49-57	20
1076	A facile strategy to colloidal crystals by drying condensed suspension droplets. 2013 , 397, 80-7	20
1075	Effect of Solute- and Solvent-Derived Marangoni Flows on the Shape of Polymer Films Formed from Drying Droplets. 2013 , 59, 699-702	17
1074	Evaporation of nanofluid droplets with applied DC potential. 2013 , 407, 29-38	31
1073	Drying dissipative structure of similar sized aggregates (1.5 th in diameter) of nano-sized diamond particles (4 nm in diameter). 2013 , 291, 1887-1893	8
1072	Anomalous drying dynamics of a polymer solution on a substrate. 2013 , 36, 63	9

(2013-2013)

1071	nanoparticles and study of their fine structure. 2013 , 75, 142-149	17
1070	Eliminating cracking during drying. 2013 , 36, 28	12
1069	High yield growth of patterned vertically aligned carbon nanotubes using inkjet-printed catalyst. 2013 , 5, 9785-90	10
1068	Hydrodynamic fluctuations in confined particle-laden fluids. 2013 , 111, 118301	19
1067	Droplet evaporation dynamics on a superhydrophobic surface with negligible hysteresis. 2013 , 29, 10785-95	147
1066	Elimination of the coffee-ring effect by promoting particle adsorption and long-range interaction. 2013 , 29, 12067-74	44
1065	Heterogeneous fluorine-containing surface macro-, micro- and nanostructures in polymer films and their applications. 2013 , 55, 652-665	9
1064	The influence of the concentration and size of silver nanoparticles on the conductivity of ring-shaped deposits resulting from evaporation of colloidal solution droplets. 2013 , 75, 634-641	14
1063	Templated evaporative lithography for high throughput fabrication of nanopatterned films. 2013 , 5, 624-33	10
1062	Stokes flow in a drop evaporating from a liquid subphase. 2013 , 25, 102102	8
1061	Optical anisotropy in packed isotropic spherical particles: indication of nanometer scale anisotropy in packing structure. 2013 , 15, 2897-902	15
1060	The role of the electrostatic double layer interactions in the formation of nanoparticle ring-like deposits at driven receding contact lines. 2013 , 9, 1664-1673	21
1059	Influence of droplet drying configuration on surface-enhanced Raman scattering performance. 2013 , 3, 17829	16
1058	Fingering inside the coffee ring. <i>Physical Review E</i> , 2013 , 87, 013003	52
1057	Fluidic assembly at the microscale: progress and prospects. 2013 , 14, 383-419	52
1056	Liquid transport facilitated by channels in Bacillus subtilis biofilms. 2013 , 110, 848-52	205
1055	A scalable fabrication of highly transparent and conductive thin films using fluorosurfactant-assisted single-walled carbon nanotube dispersions. 2013 , 52, 259-266	21
1054	Supercapacitor Electrode Based on Mixtures of Graphite and Carbon Nanotubes Deposited Using a Dynamic Air-Brush Deposition Technique. 2013 , 160, A601-A606	23

1053	Spatial ordering of colloids in a drying aqueous polymer droplet. 2013 , 29, 2588-94	23
1052	Shape and diameter control of C60 fullerene micro-stains by evaporation of aqueous SDSfullerene dispersion drops. 2013 , 432, 104-109	6
1051	Amplifying and attenuating the coffee-ring effect in drying sessile nanofluid droplets. <i>Physical Review E</i> , 2013 , 87, 042303	41
1050	Metal nanoparticles and DNA co-functionalized single-walled carbon nanotube gas sensors. 2013 , 24, 505502	28
1049	Controlled particle positioning using liquid film squeeze flow. 2013 , 181, 925-931	
1048	Evaporation of Nanoparticle Droplets on Smooth Hydrophobic Surfaces: The Inner Coffee Ring Deposits. 2013 , 117, 4707-4716	96
1047	Microdroplet evaporation in closed digital microfluidic biochips. 2013 , 23, 045001	1
1046	Generation of the smallest coffee-ring structures by solute crystallization reaction on a hydrophobic surface. 2013 , 3, 5328	9
1045	Inkjet printing of aligned single-walled carbon-nanotube thin films. 2013 , 102, 143107	23
1044	A hydrophobic gold surface triggers misfolding and aggregation of the amyloidogenic Josephin domain in monomeric form, while leaving the oligomers unaffected. 2013 , 8, e58794	23
1043	On the Creeping of Saturated Salt Solutions. 2013 , 13, 1838-1848	43
1042	Evaporation stains: suppressing the coffee-ring effect by contact angle hysteresis. 2013, 29, 7802-11	114
1041	Simulation of self-assembly in an evaporating droplet of colloidal solution by dissipative particle dynamics. 2013 , 432, 132-138	22
1040	The role of seeding in the morphology and wettability of ZnO nanorods films on different substrates. 2013 , 279, 197-203	9
1039	Inclusional association as studied by the drying dissipative structure. Part 1. Drying patterns of 日 Eand Etyclodextrin. 2013 , 291, 2447-2454	8
1038	Stepwise molding, etching, and imprinting to form libraries of nanopatterned substrates. 2013 , 29, 6737-45	9
1037	Rheological Control of the Coffee Stain Effect for Inkjet Printing of Ceramics. 2013, 96, 2093-2099	63
1036	Numerical simulation of the drying of inkjet-printed droplets. 2013 , 392, 388-395	30

1035	Drying of thin colloidal films. 2013 , 76, 046603	276
1034	The impact of substrate temperature on the size and aspect ratio of inkjet-dissolved via holes in thin poly(4-vinyl phenol) dielectric layers. 2013 , 102, 103303	3
1033	Contact angle hysteresis: a review of fundamentals and applications. 2013 , 291, 247-260	385
1032	Tunable touch sensor and combined sensing platform: toward nanoparticle-based electronic skin. 2013 , 5, 5531-41	135
1031	Oscillations of a sessile droplet in open air. 2013 , 25, 112106	10
1030	Structural transitions in a ring stain created at the contact line of evaporating nanosuspension sessile drops. <i>Physical Review E</i> , 2013 , 87, 012301	22
1029	Surfactant-mediated control of colloid pattern assembly and attachment strength in evaporating droplets. 2013 , 29, 1831-40	44
1028	Drying dissipative structures of cationic gel spheres of lightly cross-linked poly(2-vinyl pyridine) (170 ~ 180 nm in diameter) in the deionized aqueous suspension. 2013 , 291, 2805-2813	13
1027	Inkjet-printed In(2)O(3) thin-film transistor below 200 °C. 2013 , 5, 11578-83	86
1026	Cross-sectional tracking of particle motion in evaporating drops: flow fields and interfacial accumulation. 2013 , 29, 6221-31	33
1026		33
1025	accumulation. 2013 , 29, 6221-31	
1025	Droplet evaporation and de-pinning in rectangular microchannels. 2013 , 56, 127-137	3
1025	Droplet evaporation and de-pinning in rectangular microchannels. 2013 , 56, 127-137 Auto-production of biosurfactants reverses the coffee ring effect in a bacterial system. 2013 , 4, 1757	3
1025 1024 1023	Droplet evaporation and de-pinning in rectangular microchannels. 2013, 56, 127-137 Auto-production of biosurfactants reverses the coffee ring effect in a bacterial system. 2013, 4, 1757 Prediction of coating thickness in the convective assembly process. 2013, 29, 15762-9	3 172 5
1025 1024 1023 1022	Droplet evaporation and de-pinning in rectangular microchannels. 2013, 56, 127-137 Auto-production of biosurfactants reverses the coffee ring effect in a bacterial system. 2013, 4, 1757 Prediction of coating thickness in the convective assembly process. 2013, 29, 15762-9 Mass-spring model of a self-pulsating drop. 2013, 29, 14935-46 Assessment of water droplet evaporation mechanisms on hydrophobic and superhydrophobic	3 172 5
1025 1024 1023 1022 1021	Droplet evaporation and de-pinning in rectangular microchannels. 2013, 56, 127-137 Auto-production of biosurfactants reverses the coffee ring effect in a bacterial system. 2013, 4, 1757 Prediction of coating thickness in the convective assembly process. 2013, 29, 15762-9 Mass-spring model of a self-pulsating drop. 2013, 29, 14935-46 Assessment of water droplet evaporation mechanisms on hydrophobic and superhydrophobic substrates. 2013, 29, 15831-41 Focused Ion Beam-Assisted Nanoscale Processing and Thermoelectrical Characterization. 2013, 359-371	3 172 5

1017	Characterization of Inkjet-Printed Silver Patterns for Application to Printed Circuit Board (PCB). 2013 , 8, 603-609	5
1016	Evaporation-induced saline Rayleigh convection inside a colloidal droplet. 2013 , 25, 042001	59
1015	Surface analysis and electrochemical characterization of palladiumBobalt nanoring formation from molecular precursor, [Et3NH]2[CoPd2(E4-I-3,5-Me2pz)4Cl4], on highly ordered pyrolytic graphite. 2013 , 45, 1760-1768	
1014	Thickness Uniformity Adjustment of Inkjet Printed Light-emitting Polymer Films by Solvent Mixture. 2013 , 31, 1449-1454	11
1013	Wet microcontact printing (μCP) for micro-reservoir drug delivery systems. 2013 , 5, 025011	7
1012	Molecular dynamics simulations of the evaporation of particle-laden droplets. <i>Physical Review E</i> , 2013 , 87, 052404	17
1011	Pattern formation and morphology in the course of drying a droplet of a ternary polymer solution. 2013 , 129, 1784-1792	3
1010	Ring formation from a drying sessile colloidal droplet. 2013 , 3, 102109	19
1009	Continuous Convective-Sedimentation Assembly of Colloidal Microsphere Coatings for Biotechnology Applications. 2013 , 3, 26-48	14
1008	A Further Indication of the Self-Ordering Capacity of Water Via the Droplet Evaporation Method. 2014 , 16, 5211-5222	1
1007	Buoyancy-induced on-the-spot mixing in droplets evaporating on nonwetting surfaces. <i>Physical Review E</i> , 2014 , 90, 062407	48
1006	Role of Ambient Composition on the Formation and Shape of Watermarks on a Bare Silicon Substrate. 2014 , 3, N3081-N3086	4
1005	Drying dissipative structures of cationic gel spheres of lightly cross-linked poly(2-vinylpyridine) in deionized aqueous suspension. 2014 , 292, 2621-2631	6
1004	Diffraction phase microscopy: monitoring nanoscale dynamics in materials science [invited]. 2014 , 53, G33-43	28
1003	Temperature distribution along the surface of evaporating droplets. <i>Physical Review E</i> , 2014 , 89, 032404 _{2.4}	41
1002	Effect of withdrawal speed on film thickness and hexagonal pore-array dimensions of SBA-15 mesoporous silica thin film. 2014 , 30, 15550-9	21
1001	Droplet evaporation on heated hydrophobic and superhydrophobic surfaces. <i>Physical Review E</i> , 2014 , 89, 042402	85
1000	Precision control of drying using rhythmic dancing of sessile nanoparticle laden droplets. 2014 , 104, 163108	12

999	Concentric rings of polystyrene and titanium dioxide nanoparticles patterned by alternating current signal guided coffee ring effect. 2014 , 104, 261601	5
998	Fabrication of hierarchically porous materials and nanowires through coffee ring effect. 2014 , 6, 20643-53	16
997	Evaporation assisted CdSe nanorod assembly by small angle X-ray scattering and langmuir adsorption. 2014 , 118, 14695-702	2
996	Hygroscopic salts support the stomatal penetration of glyphosate and influence its biological efficacy. 2014 , 14, 186-197	8
995	Orientation specific deposition of mesoporous particles. 2014 , 2, 113305	5
994	Bacterial collective motion near the contact line of an evaporating sessile drop. 2014 , 26, 111703	14
993	Status quo and future research challenges on organic food quality determination with focus on laboratory methods. 2014 , 94, 2595-9	7
992	Evaporative deposition in receding drops. 2014 , 10, 9506-10	19
991	Evaporation of droplets of silver nanoparticle dispersions on metal surfaces. 2014 , 76, 531-538	15
990	Analysis of fluid flow and particle transport in evaporating droplets exposed to infrared heating. 2014 , 68, 67-77	49
989	Coffee ring Formation dynamics on molecularly smooth substrates with varying receding contact angles. 2014 , 449, 42-50	14
988	A simple method for simulating the coffee stain effect. 2014 , 256, 279-284	18
987	Statics and dynamics of capillary bridges. 2014 , 460, 18-27	24
986	Development and Performance of Crystallization with Additives Applied on Different Milk Samples. 2014 , 7, 1373-1380	9
985	Biosensor design based on Marangoni flow in an evaporating drop. 2014 , 14, 315-24	61
984	Development of the embedded capacitor with ceramic/resin hybrid films for LNA module. 2014 , 40, 10177-10	0182
983	On phase change in Marangoni-driven flows and its effects on the hydrothermal-wave instabilities. 2014 , 26, 024114	26
982	Drying dissipative structures of spindle-shaped hematite particles coated with polymer brush. 2014 , 292, 1143-1151	1

981	Controllable printing droplets for high-resolution patterns. 2014 , 26, 6950-8	300
980	Particle ordering in colloidal thin films deposited by flow-coating. 2014 , 60, 1287-1302	2
979	Droplet evaporation method as a new potential approach for highlighting the effectiveness of ultra high dilutions. 2014 , 22, 333-40	15
978	The effect of evaporation kinetics on nanoparticle structuring within contact line deposits of volatile drops. 2014 , 441, 855-866	50
977	Local aggregation characteristics of a nanofluid droplet during evaporation. 2014 , 72, 336-344	20
976	Ink-Jet Printing of Gluconobacter oxydans: Micropatterned Coatings As High Surface-to-Volume Ratio Bio-Reactive Coatings. 2014 , 4, 1-17	9
975	Thermocapillary fingering in surfactant-laden water droplets. 2014 , 30, 13338-44	16
974	Formation of chiral strings under various macroscopic conditions. 2014 , 8, 302-308	3
973	Structure and conductivity of nanocomposites formed on evaporation of drops of silver nanoparticle dispersion. 2014 , 5, 372-381	
972	The superiority of silver nanoellipsoids synthesized via a new approach in suppressing the coffee-ring effect during drying and film formation processes. 2014 , 25, 125602	6
971	Marangoni convection in evaporating meniscus with changing contact angle. 2014 , 55, 1	7
970	A novel approach for differentiation of milk fractions and polyvinylpyrrolidone with different molecular weight by patterns derived from cupric chloride crystallization with additives. 2014 , 6, 3173	7
969	DIFFUSION-CONTROLLED EVAPORATING PERFECTLY WETTING MENISCUS IN A CHANNEL. 2014 , 201, 1125-1147	
968	Dynamical contact line pinning and zipping during carbon nanotube coffee stain formation. 2014 , 8, 6417-24	25
967	Control of the particle distribution in inkjet printing through an evaporation-driven sol-gel transition. 2014 , 6, 9572-83	61
966	Dynamic growth modes of ordered arrays and mesocrystals during drop-casting of iron oxide nanocubes. 2014 , 16, 1443-1450	25
965	Characterization of biofluids prepared by sessile drop formation. 2014 , 139, 2734-41	26
964	From multi-ring to spider web and radial spoke: competition between the receding contact line and particle deposition in a drying colloidal drop. 2014 , 10, 4458-63	24

963	Contact angle changes induced by immunocomplex formation. 2014 , 139, 1340-4	3
962	Influence of the relative humidity on the morphology of inkjet printed spots of IgG on a non-porous substrate. 2014 , 4, 19380-19388	13
961	Evaporation-induced formation of self-organized gradient concentric rings on sub-micron pre-cast PMMA films. 2014 , 10, 4451-7	18
960	Solute concentration-dependent contact angle hysteresis and evaporation stains. 2014 , 30, 7716-23	20
959	Interactions between Carbon Nanoparticles in a Droplet of Organic Solvent. 2014 , 118, 16074-16086	5
958	Area-selective deposition of charged particles derived from colloidal aerosol droplets on a surface with different hydrophilic levels. 2014 , 78, 83-96	4
957	Crafting threads of diblock copolymer micelles via flow-enabled self-assembly. 2014 , 8, 2936-42	80
956	Spontaneous formation of nanopatterns in velocity-dependent dip-coated organic films: from dragonflies to stripes. 2014 , 8, 9954-63	27
955	Synthesis and Properties of Gold Nanoparticle Arrays Self-Organized on Surface-Deposited Lysozyme Amyloid Scaffolds. 2014 , 26, 5383-5393	14
954	Effect of liquidNapor interface area on the evaporation rate of small sessile droplets. 2014 , 84, 300-308	22
953	Wetting dynamics of colloidal dispersions on agar gel surfaces. 2014 , 122, 1-6	6
952	Controlling drop-casting deposition of 2D Pt-octaethyl porphyrin layers on graphite. 2014 , 195, 201-207	11
951	Self-assembly in an evaporating nanofluid droplet: rapid transformation of nanorods into 3D fibre network structures. 2014 , 10, 5243-8	18
950	Instability deposit patterns in an evaporating droplet. 2014 , 118, 2535-43	9
949	Effect of superhydrophobic surface morphology on evaporative deposition patterns. 2014 , 104, 201604	34
948	Vapor-based interferometric measurement of local evaporation rate and interfacial temperature of evaporating droplets. 2014 , 30, 2002-8	67
947	Control over coffee-ring formation in evaporating liquid drops containing ellipsoids. 2014 , 30, 8680-6	111
946	Colloidal Self-Assembly of Semiconducting Polymer Nanospheres: A Novel Route to Functional Architectures for Organic Electronic Devices. 2014 , 371-398	

945	Drying of sessile droplets of laponite-based aqueous nanofluids. 2014 , 462, 52-63	10
944	Sagging of evaporating droplets of colloidal suspensions on inclined substrates. 2014 , 30, 11966-74	30
943	Simulating the evaporation of pinned water microdroplets with implementation of a surface concentration distribution. 2014 ,	
942	Nanopost-guided self-organization of dendritic inorganic salt structures. 2014 , 30, 10940-9	3
941	Coffee rings as low-resource diagnostics: detection of the malaria biomarker Plasmodium falciparum histidine-rich protein-II using a surface-coupled ring of Ni(II)NTA gold-plated polystyrene particles. 2014 , 6, 6257-63	45
940	Wetting and evaporative aggregation of nanofluid droplets on CVD-synthesized hydrophobic graphene surfaces. 2014 , 30, 8268-75	17
939	Dissipative crystallization of aqueous mixtures of potassium salts of poly(riboguanylic acid) and poly(ribocytidylic acid). 2014 , 292, 1419-1427	5
938	Evaporation-induced flows inside a confined droplet of diluted saline solution. 2014 , 30, 7710-5	21
937	Pattern recognition for identification of lysozyme droplet solution chemistry. 2014 , 115, 170-5	7
936	All-Inkjet-Printed, All-Air-Processed Solar Cells. 2014 , 4, 1400432	112
936 935	All-Inkjet-Printed, All-Air-Processed Solar Cells. 2014 , 4, 1400432 Fluid flow and particle dynamics inside an evaporating droplet containing live bacteria displaying chemotaxis. 2014 , 30, 12144-53	112
	Fluid flow and particle dynamics inside an evaporating droplet containing live bacteria displaying	
935	Fluid flow and particle dynamics inside an evaporating droplet containing live bacteria displaying chemotaxis. 2014 , 30, 12144-53	17
935	Fluid flow and particle dynamics inside an evaporating droplet containing live bacteria displaying chemotaxis. 2014 , 30, 12144-53 Microdroplet evaporation with a forced pinned contact line. 2014 , 30, 10548-55 Selective gas detection using CNTFET arrays fabricated using air-brush technique, with different	17 35
935934933	Fluid flow and particle dynamics inside an evaporating droplet containing live bacteria displaying chemotaxis. 2014, 30, 12144-53 Microdroplet evaporation with a forced pinned contact line. 2014, 30, 10548-55 Selective gas detection using CNTFET arrays fabricated using air-brush technique, with different metal as electrodes. 2014, 202, 1290-1297	17 35 19
935934933932	Fluid flow and particle dynamics inside an evaporating droplet containing live bacteria displaying chemotaxis. 2014, 30, 12144-53 Microdroplet evaporation with a forced pinned contact line. 2014, 30, 10548-55 Selective gas detection using CNTFET arrays fabricated using air-brush technique, with different metal as electrodes. 2014, 202, 1290-1297 Preparation of patterned ultrathin polymer films. 2014, 30, 9436-41	17 35 19
935934933932931	Fluid flow and particle dynamics inside an evaporating droplet containing live bacteria displaying chemotaxis. 2014, 30, 12144-53 Microdroplet evaporation with a forced pinned contact line. 2014, 30, 10548-55 Selective gas detection using CNTFET arrays fabricated using air-brush technique, with different metal as electrodes. 2014, 202, 1290-1297 Preparation of patterned ultrathin polymer films. 2014, 30, 9436-41 Electrostatic suppression of the "coffee stain effect". 2014, 30, 5849-58	17 35 19 15 38

9	27	Comments on the Energy Barrier Calculations during BtickBlipIBehavior of Evaporating Droplets Containing Nanoparticles. 2014 , 118, 9228-9238	18
9	26	Simultaneous spreading and evaporation: recent developments. 2014 , 206, 382-98	75
9	25	Effects of hydrodynamic retardation and interparticle interactions on the self-assembly in a drying droplet containing suspended solid particles. <i>Physical Review E</i> , 2014 , 89, 052307	8
9	24	Evaporation-driven self-organization of photoluminescent organic dye-doped silica-poly(vinylpyrrolidone) hybrid films prepared by low-speed dip-coating. 2014 , 453, 1-6	6
9	123	Patterned deposition at moving contact lines. 2014 , 206, 399-413	79
9	22	Linear growth of colloidal rings at the edge of drying droplets. 2014 , 447, 28-31	9
9	21	Vortex-pattern self-assembly in Mn-doped ZnSe nanorods. 2014 , 20, 3922-6	6
9	20	Evaporation of a thin viscous liquid film sheared by gas in a microchannel. 2014 , 68, 527-541	42
9	19	Leaching and drying marks on photoresist-coated substrates. 2014 , 114, 131-135	2
9	18	Freezing- and Drying-Induced Micro- and Nano-Heterogeneity in Biological Solutions. 2014 , 269-284	
9	17	The evaporation of the water-sodium chlorides solution droplets on the heated substrate. 2014 , 76, 01039	7
9	16	Sequential deposition of overlapping droplets to form a liquid line. 2014 , 761, 261-281	22
9	15	Evaporation-driven ring and film deposition from colloidal droplets. 2015, 781,	30
9	14	On contact-line dynamics with mass transfer. 2015 , 26, 671-719	7
9	13	Ring formation on an inclined surface. 2015 , 775,	20
9	12	Additive Manufacture of Ceramics Components by Inkjet Printing. 2015 , 1, 113-123	123
9	11	Evaporation of pinned droplets containing polymer han examination of the important groups controlling final shape. 2015 , 61, 1759-1767	28
9	10	Droplets Drying on Surfaces. 2015 , 251-280	3

909	Simulation of Drops on Surfaces. 2015 , 281-312		О
908	Crossover from the coffee-ring effect to the uniform deposit caused by irreversible cluster-cluster aggregation. <i>Physical Review E</i> , 2015 , 92, 032302	2.4	24
907	Wetting and evaporation of salt-water nanodroplets: A molecular dynamics investigation. <i>Physical Review E</i> , 2015 , 92, 052403	2.4	55
906	Centro-Apical Self-Organization of Organic Semiconductors in a Line-Printed Organic Semiconductor: Polymer Blend for One-Step Printing Fabrication of Organic Field-Effect Transistors. 2015 , 5, 14010		19
905	Evaporation-driven self-organization of sol–gel dip-coating films. 2015, 123, 457-464		9
904	CMOS integration of inkjet-printed graphene for humidity sensing. 2015 , 5, 17374		104
903	Solution-grown small-molecule organic semiconductor with enhanced crystal alignment and areal coverage for organic thin film transistors. 2015 , 5, 077170		41
902	Vacuum-sintered stainless steel porous supports for inkjet printing of functional SOFC coatings. 2015 , 4, 1		18
901	The separation of two different sized particles in an evaporating droplet. 2015 , 61, 3547-3556		17
900	Highly Conductive, Bendable, Embedded Ag Nanoparticle Wire Arrays Via Convective Self-Assembly: Hybridization into Ag Nanowire Transparent Conductors. 2015 , 25, 3888-3898		27
899	Synchrotron radiation phase-contrast computed tomography study on self-assembly of polystyrene colloidal crystals via solvent evaporation. 2015 , 77, 795-801		1
898	The Fluid Joint: The Soft Spot of Micro- and Nanosystems. 2015 , 27, 4254-72		30
897	Manipulating the Coffee-Ring Effect: Interactions at Work. 2015 , 16, 2726-2734		66
896	Double-peaked edge-bead in drying film of solvent-resin mixtures. 2015 , 27, 102105		5
895	Drying with no concentration gradient in large microfluidic droplets. 2015 , 11, 3637-42		14
894	Analysis of the effects of evaporative cooling on the evaporation of liquid droplets using a combined field approach. 2015 , 5, 8614		26
893	Large-area assembly of densely aligned single-walled carbon nanotubes using solution shearing and their application to field-effect transistors. 2015 , 27, 2656-62		104
892	High-Speed Printing of Transistors: From Inks to Devices. 2015 , 103, 567-582		42

(2015-2015)

891	Effects of Free Surface Evaporation on Water Nanodroplet Wetting Kinetics: A Molecular Dynamics Study. 2015 , 137,	16
890	Influence of Pluronic F127 on the distribution and functionality of inkjet-printed biomolecules in porous nitrocellulose substrates. 2015 , 131, 541-7	12
889	Recent Advances in Controlling the Depositing Morphologies of Inkjet Droplets. 2015 , 7, 28086-99	169
888	Measuring the Nonuniform Evaporation Dynamics of Sprayed Sessile Microdroplets with Quantitative Phase Imaging. 2015 , 31, 11020-32	18
887	Controlling droplet-based deposition uniformity of long silver nanowires by micrometer scale substrate patterning. 2015 , 26, 485301	4
886	Deposition of Quantum Dots in a Capillary Tube. 2015 , 31, 12560-6	14
885	The evaporation behavior of sessile droplets from aqueous saline solutions. 2015, 17, 22296-303	56
884	Electrostatic Suppression of the Coffee-stain Effect[12015, 15, 172-177	2
883	Three scenarios of evaporation of microliter droplets of dispersions and structure of formed ring-shaped deposits. 2015 , 77, 770-779	11
882	Effect of Ionic Strength and Surface Charge on Convective Deposition. 2015 , 31, 12348-53	14
881	Graphene based supercapacitors fabricated using a new dynamic spray-gun deposition technique. 2015 ,	1
880	A mechanism of the penetration limit for producing holes in poly(4-vinyl phenol) films by inkjet etching. 2015 , 48, 455501	1
879	Homogeneous deposition of particles by absorption on hydrogels. 2015 , 112, 48004	12
878	Initial contact angles of dispersion droplets and structure of ring-shaped deposits resulting from capillary self-assembling of particles. 2015 , 77, 761-769	10
877	Synthesis of iron oxide rods coated with polymer brushes and control of their assembly in thin films. 2015 , 31, 1172-9	10
876	Fabrication of capillary-force-induced DNA-templated Ag wires assisted by enzymatic etching. 2015 , 8, 027002	4
875	High-resolution CPW fabricated by silver inkjet printing on selectively treated substrate. 2015 , 224, 1-5	3
874	Dependence of fluid flows in an evaporating sessile droplet on the characteristics of the substrate. 2015 , 84, 419-426	19

873	Creating micro-structured hydrogel-forming polymer films by photopolymerization in an evaporating solvent: Compositional and morphological evolutions. 2015 , 66, 99-107	11
872	Printing small dots from large drops. 2015 , 7, 3782-90	26
871	Evaporation of sessile drops containing colloidal rods: coffee-ring and order-disorder transition. 2015 , 119, 3860-7	45
870	Dynamics of contact line depinning during droplet evaporation based on thermodynamics. 2015 , 31, 1950-7	24
869	Growth, patterning and alignment of organolead iodide perovskite nanowires for optoelectronic devices. 2015 , 7, 4163-70	149
868	Visualization of an evaporating thin layer during the evaporation of a nanofluid droplet. 2015 , 31, 1237-41	8
867	Ethanol vapor-induced fabrication of colloidal crystals with controllable layers and photonic properties. 2015 , 11, 2555-62	3
866	Effect of Surface Hydrophobicity on Critical Pinning Concentration of Nanoparticles To Trigger the Coffee Ring Formation during the Evaporation Process of Sessile Drops of Nanofluids. 2015 , 119, 3050-3059	16
865	The Role of Biosurfactants in Bacterial Systems. 2015 , 189-204	3
864	A Variational approach to thin film hydrodynamics of binary mixtures. 2015 , 27, 085005	13
863	Scatter-limited conduction in printed platinum nanofilms. 2015 , 50, 1169-1174	6
862	Inkjet Printed Conductive Tracks for Printed Electronics. 2015 , 4, P3026-P3033	79
861	Effect of substrate temperature on pattern formation of nanoparticles from volatile drops. 2015 , 31, 3354-67	98
860	Imaging and spectroscopic comparison of multi-step methods to form DNA arrays based on the biotin-streptavidin system. 2015 , 140, 1127-39	14
859	Interfacial force-driven pattern formation during drying of AI(25-35) fibrils. 2015 , 79, 344-52	7
858	Sodium chloride crystallization from thin liquid sheets, thick layers, and sessile drops in microgravity. 2015 , 428, 80-85	7
857	High-resolution electrohydrodynamic jet printing of small-molecule organic light-emitting diodes. 2015 , 7, 13410-5	101
856	Acoustic suppression of the coffee-ring effect. 2015 , 11, 7207-13	51

(2015-2015)

855	Triple Line Motion and Evaporation. 2015 , 25-30	11
854	Pure Diffusion. 2015 , 103-114	3
853	Solid Substrate Properties. 2015 , 139-156	1
852	Soft Substrates. 2015 , 157-171	1
851	Flow Stability. 2015 , 203-219	
850	Electric Forces. 2015 , 413-425	2
849	Pinning of the Contact Line during Evaporation on Heterogeneous Surfaces: Slowdown or Temporary Immobilization? Insights from a Nanoscale Study. 2015 , 31, 7544-52	50
848	Wetting and evaporation phenomena of water droplets on textured surfaces. 2015 , 90, 191-200	29
847	Drying Patterns of Dispersions and Solutions. 2015 , 282-423	
846	Particle Segregation at Contact Lines of Evaporating Colloidal Drops: Influence of the Substrate Wettability and Particle Charge-Mass Ratio. 2015 , 31, 6632-8	10
845	Solidification of a Charged Colloidal Dispersion Investigated Using Microfluidic Pervaporation. 2015 , 31, 7943-52	13
844	Deposition pattern of interacting droplets. 2015 , 482, 562-567	35
843	Numerical study and predictions of evolution behaviors of evaporating pinned droplets based on a comprehensive model. 2015 , 96, 149-159	12
842	The impact of trough geometry on film shape. A theoretical study of droplets containing polymer, for P-OLED display applications. 2015 , 458, 53-61	18
841	Recent advances in quantitative LA-ICP-MS analysis: challenges and solutions in the life sciences and environmental chemistry. 2015 , 407, 6593-617	189
840	Structural characterisation of printable noble metal/poly(vinyl-alcohol) nanocomposites for optical applications. 2015 , 7, 13537-46	9
839	Monitoring pattern formation in drying and wetting dispersions of gold nanoparticles by ESEM. 2015 , 181, 281-98	8
838	Salt stains from evaporating droplets. 2015 , 5, 10335	118

837	Combined effects of underlying substrate and evaporative cooling on the evaporation of sessile liquid droplets. 2015 , 11, 5632-40	23
836	Thermodynamic Behaviors of Macroscopic Liquid Droplets Evaporation from Heated Substrates. 2015 , 27, 353-360	16
835	Metallic Grid Electrode Fabricated via Flow Coating for High-Performance Flexible Piezoelectric Nanogenerators. 2015 , 119, 7802-7808	28
834	Fabrication of asymmetric-gradient-concentric ring patterns via evaporation of droplets of PMMA solution at different substrate temperatures. 2015 , 5, 29850-29858	2
833	Kinetics of picoliter binary droplet evaporation on a substrate at reduced pressure. 2015 , 77, 71-76	11
832	Development of large-scale size-controlled adult pancreatic progenitor cell clusters by an inkjet-printing technique. 2015 , 7, 11624-30	9
831	Modulation of the coffee-ring effect in particle/surfactant mixtures: the importance of particle-interface interactions. 2015 , 31, 4113-20	143
830	Sessile nanofluid droplet drying. 2015 , 217, 13-30	95
829	Evaporation of sessile drops: a three-dimensional approach. 2015 , 772, 705-739	72
828	Powder Characterization and Compaction. 2015 , 191-290	1
827	Colloidal Nanoparticle Interaction Transition during Solvent Evaporation Investigated by in-Situ Small-Angle X-ray Scattering. 2015 , 31, 4612-8	18
826	Evaporation of droplets on strongly hydrophobic substrates. 2015 , 31, 3653-60	62
825	A Level-Set Method for Analysis of Particle Motion in an Evaporating Microdroplet. 2015 , 67, 25-46	21
824	Coffee Ring Effect During Drying of Colloid Drop: Experiment and Computer Simulation. 2015, 476, 47-53	7
823	Influence of surface temperature and wettability on droplet evaporation. 2015, 106, 141602	25
822	Printing nanostructured carbon for energy storage and conversion applications. 2015 , 92, 150-176	74
821	Stick-jump mode in surface droplet dissolution. 2015 , 31, 4696-703	37
820	Printing Nanostructures with a Propelled Anti-Pinning Ink Droplet. 2015 , 25, 2411-2419	13

819	Dynamics of evaporative colloidal patterning. 2015 , 27, 092105	22
818	Can hydrodynamic contact line paradox be solved by evaporation-condensation?. 2015 , 460, 329-38	21
817	Multi-scale patterns formed by sodium sulphate in a drying droplet of gelatin. 2015 , 357, 1000-1006	12
816	Deployment strategy for controlled morphologies in sessile, mixed colloidal droplets. 2015 , 5, 89586-89593	1
815	Precision stacking of nanoparticle laden sessile droplets to control solute deposit morphology. 2015 , 106, 063101	8
814	Optical properties of nanostructured gold-silver films formed by deposition of small colloid drops. 2015 , 119, 119-123	23
813	Modification of the Young-Laplace equation and prediction of bubble interface in the presence of nanoparticles. 2015 , 225, 1-15	13
812	Influence of sucrose on the stability of W1/O/W2 double emulsion droplets. 2015 , 5, 83089-83095	11
811	Charge Transport in Chain of Nanoparticles. 2015 , 83-99	
810	The effect of drying on the homogeneity of DBS. 2015 , 7, 1977-85	22
810	The effect of drying on the homogeneity of DBS. 2015, 7, 1977-85 Growth kinetics of NaCl crystals in a drying drop of gelatin: transition from faceted to dendritic growth. 2015, 11, 6938-47	28
	Growth kinetics of NaCl crystals in a drying drop of gelatin: transition from faceted to dendritic	
809	Growth kinetics of NaCl crystals in a drying drop of gelatin: transition from faceted to dendritic growth. 2015 , 11, 6938-47	28
809 808	Growth kinetics of NaCl crystals in a drying drop of gelatin: transition from faceted to dendritic growth. 2015 , 11, 6938-47 Capillary force assisted fabrication of DNA templated silver wires. 2015 , 5, 8163-8166	28
809 808 807	Growth kinetics of NaCl crystals in a drying drop of gelatin: transition from faceted to dendritic growth. 2015, 11, 6938-47 Capillary force assisted fabrication of DNA templated silver wires. 2015, 5, 8163-8166 Drying structures of marine clay in the deionized aqueous suspension. 2015, 293, 3393-3401 Tailoring graphene oxide assemblies by pinning on the contact line of a dissolving microdroplet.	28
809 808 807 806	Growth kinetics of NaCl crystals in a drying drop of gelatin: transition from faceted to dendritic growth. 2015, 11, 6938-47 Capillary force assisted fabrication of DNA templated silver wires. 2015, 5, 8163-8166 Drying structures of marine clay in the deionized aqueous suspension. 2015, 293, 3393-3401 Tailoring graphene oxide assemblies by pinning on the contact line of a dissolving microdroplet. 2015, 11, 8479-83 The formation of nanocomposites as a result of evaporating droplets of dispersions of silver	28
809 808 807 806	Growth kinetics of NaCl crystals in a drying drop of gelatin: transition from faceted to dendritic growth. 2015, 11, 6938-47 Capillary force assisted fabrication of DNA templated silver wires. 2015, 5, 8163-8166 Drying structures of marine clay in the deionized aqueous suspension. 2015, 293, 3393-3401 Tailoring graphene oxide assemblies by pinning on the contact line of a dissolving microdroplet. 2015, 11, 8479-83 The formation of nanocomposites as a result of evaporating droplets of dispersions of silver nanoparticles in low-volatile and binary dispersion media. 2015, 77, 431-437	28 4 2 5

801	Agglomeration front dynamics: Drying in sessile nano-particle laden droplets. 2015 , 123, 164-169	8
800	Effect of particle geometry on triple line motion of nano-fluid drops and deposit nano-structuring. 2015 , 222, 44-57	31
799	Self-assembled coffee-ring colloidal crystals for structurally colored contact lenses. 2015 , 11, 926-30	34
798	The effect of ferrocyanide ions on sodium chloride crystallization in salt mixtures. 2015 , 410, 7-13	17
797	Three-dimensional Monte Carlo model of the coffee-ring effect in evaporating colloidal droplets. 2014 , 4, 4310	32
796	Control of stain geometry by drop evaporation of surfactant containing dispersions. 2015 , 222, 275-90	45
795	Colloidal Photonic Crystals Containing Silver Nanoparticles with Tunable Structural Colors. 2016 , 6, 61	24
794	Thermocapillarity in Microfluidics-A Review. 2016 , 7,	75
793	Inkjet Printing of Functional Materials for Optical and Photonic Applications. 2016, 9,	83
79 ²	"Coffee Ring Effect" in Ophthalmology: "Anionic Dye Deposition" Hypothesis Explaining Normal Lid Margin Staining. 2016 , 95, e3137	2
791	In-line sample concentration by evaporation through porous hollow fibers and micromachined membranes embedded in microfluidic devices. 2016 , 37, 463-71	4
790	The importance of gravity in droplet evaporation: A comparison of pendant and sessile drop evaporation with particles. 2016 , 62, 947-955	17
789	Designed Assembly and Integration of Colloidal Nanocrystals for Device Applications. 2016 , 28, 1176-207	174
788	Temperature gradients drive radial fluid flow in Petri dishes and multiwell plates. 2016 , 62, 2227-2233	7
787	Evaporating sessile droplet pair: Insights into contact line motion, flow transitions and emergence of universal vaporisation pattern. 2016 , 108, 244102	19
786	Fluorimetric Mercury Test Strips with Suppressed "Coffee Stains" by a Bio-inspired Fabrication Strategy. 2016 , 6, 36494	17
785	Terahertz molecular resonance of cancer DNA. 2016 , 6, 37103	78
7 ⁸ 4	Integration of additive manufacturing and inkjet printed electronics: a potential route to parts with embedded multifunctionality. 2016 , 3, 12	18

(2016-2016)

	Modeling Flow Coating of Colloidal Dispersions in the Evaporative Regime: Prediction of Deposit Thickness. 2016 , 32, 13657-13668	12
782	Alternative mechanism for coffee-ring deposition based on active role of free surface. <i>Physical Review E</i> , 2016 , 94, 063104	26
781	Rate-dependent interface capture beyond the coffee-ring effect. 2016 , 6, 24628	133
780	Analytical approach for temperature of the evaporating droplets on solid substrates. 2016,	
779	On the motion of a sessile drop on an incline: Effect of non-monotonic thermocapillary stresses. 2016 , 109, 231601	15
778	e-MALDI: An Electrowetting-Enhanced Drop Drying Method for MALDI Mass Spectrometry. 2016 , 88, 4669-75	38
777	Influence of an adjacent droplet on fluid convection inside an evaporating droplet of binary mixture. 2016 , 500, 154-165	30
776	Sliding three-phase contact line of printed droplets for single-crystal arrays. 2016 , 27, 184002	15
775	Inkjet printing of polyimide insulators for the 3D printing of dielectric materials for microelectronic applications. 2016 , 133, n/a-n/a	39
774	Evaporation of Ethanol-Water Binary Mixture Sessile Liquid Marbles. 2016 , 32, 6097-104	33
,,,		
773	Nanoparticle-mediated evaporation at liquid∏apor interfaces. 2016 , 7, 90-103	16
	Nanoparticle-mediated evaporation at liquid por interfaces. 2016 , 7, 90-103 Thin, binary liquid droplets, containing polymer: an investigation of the parameters controlling film shape. 2016 , 794, 200-232	
773	Thin, binary liquid droplets, containing polymer: an investigation of the parameters controlling film	16
773 772	Thin, binary liquid droplets, containing polymer: an investigation of the parameters controlling film shape. 2016 , 794, 200-232	16 15
773 772 771	Thin, binary liquid droplets, containing polymer: an investigation of the parameters controlling film shape. 2016 , 794, 200-232 On thin evaporating drops: When is the -law valid?. 2016 , 792, 134-167 Surface pinning explains the low heat transfer coefficient between water and a carbon nanotube	16 15 15
773 772 771 770	Thin, binary liquid droplets, containing polymer: an investigation of the parameters controlling film shape. 2016, 794, 200-232 On thin evaporating drops: When is the -law valid?. 2016, 792, 134-167 Surface pinning explains the low heat transfer coefficient between water and a carbon nanotube film. 2016, 100, 27-35 Impact of the collective diffusion of charged nanoparticles in the convective/capillary deposition	16 15 15
773 772 771 770 769	Thin, binary liquid droplets, containing polymer: an investigation of the parameters controlling film shape. 2016, 794, 200-232 On thin evaporating drops: When is the -law valid?. 2016, 792, 134-167 Surface pinning explains the low heat transfer coefficient between water and a carbon nanotube film. 2016, 100, 27-35 Impact of the collective diffusion of charged nanoparticles in the convective/capillary deposition directed by receding contact lines. 2016, 39, 20	16 15 15 7

765	Controlling particle deposit morphologies in drying nano-particle laden sessile droplets using substrate oscillations. 2016 , 18, 14549-60	9
764	Marangoni Convection in Evaporating Organic Liquid Droplets on a Nonwetting Substrate. 2016 , 32, 4729-35	39
763	The ring phenomenon of diluted blood droplets. 2016 , 130, 731-6	15
762	Fabrication of high aspect ratio nanogrid transparent electrodes via capillary assembly of Ag nanoparticles. 2016 , 8, 11217-23	22
761	Inkjet printing of uniform dielectric oxide structures from solgel inks by adjusting the solvent composition. 2016 , 4, 5634-5641	37
760	Effect of the initial particle volume fraction on the structure of a drying colloidal deposit. 2016 , 511, 201-211	O
759	Controlling micro ceramic patterns via multiple/sequential drop-on-demand inkjet printing of dilute colloidal suspensions. 2016 , 84, 437-444	5
758	Dependence of the structure of ring-shaped deposits resulting from evaporation of dispersion droplets on initial contact angle. 2016 , 78, 633-640	7
757	Evaporation-induced self-assembly of quantum dots-based concentric rings on polymer-based nanocomposite films. 2016 , 12, 8285-8296	13
756	Evaporation-induced natural convection of a liquid slug of binary mixture inside a microchannel: effect of confinement. 2016 , 20, 1	7
755	Evaporation of Binary Sessile Drops: Infrared and Acoustic Methods To Track Alcohol Concentration at the Interface and on the Surface. 2016 , 32, 9836-45	21
754	Magnetic-field-driven crack formation in an evaporated anisotropic colloidal assembly. <i>Physical Review E</i> , 2016 , 94, 012618	10
753	Self-Assembly of Colloidal Nanocrystals: From Intricate Structures to Functional Materials. 2016 , 116, 11220-89	1067
75 ²	Marangoni convection in an evaporating droplet: Analytical and numerical descriptions. 2016 , 102, 445-454	15
751	Expressions for the evaporation of sessile liquid droplets incorporating the evaporative cooling effect. 2016 , 484, 291-297	11
75°	Optofluidic sensing from inkjet-printed droplets: the enormous enhancement by evaporation-induced spontaneous flow on photonic crystal biosilica. 2016 , 8, 17285-17294	31
749	Self-pinning of a nanosuspension droplet: Molecular dynamics simulations. <i>Physical Review E</i> , 2016 , 94, 012614	8
748	Ring to Mountain Transition in Deposition Pattern of Drying Droplets. 2016 , 116, 066101	74

(2016-2016)

747	Effect of the Polydispersity of a Colloidal Drop on Drying Induced Stress as Measured by the Buckling of a Floating Sheet. 2016 , 116, 238001	11
746	Transport of Colloids along Corners: Visualization of Evaporation-Induced Flows beyond the Axisymmetric Condition. 2016 , 32, 8171-81	1
745	Evaporation Flux Distribution of Drops on a Hydrophilic or Hydrophobic Flat Surface by Molecular Simulations. 2016 , 32, 8255-64	17
744	Evaporation-triggered microdroplet nucleation and the four life phases of an evaporating Ouzo drop. 2016 , 113, 8642-7	100
743	Dynamic Chemically Driven Dewetting, Spreading, and Self-Running of Sessile Droplets on Crystalline Silicon. 2016 , 32, 12611-12622	5
742	Analyte-concentrating 3D hybrid plasmonic nanostructures for use in highly sensitive chemical sensors. 2016 , 6, 92120-92126	16
741	Modified coffee rings for quasi-1D interconnects. 2016 , 253, 1882-1889	2
74 ⁰	An Investigation of the Behavior of Solvent based Polycaprolactone ink for Material Jetting. 2016 , 6, 20852	31
739	Drying Structure. 2016 , 412-429	
738	Effect of a Single Nanoparticle on the Contact Line Motion. 2016 , 32, 12676-12685	23
73 ⁸	Effect of a Single Nanoparticle on the Contact Line Motion. 2016 , 32, 12676-12685 Observations of internal flow inside an evaporating nanofluid sessile droplet in the presence of an entrapped air bubble. 2016 , 6, 32767	23
	Observations of internal flow inside an evaporating nanofluid sessile droplet in the presence of an	23 7
737	Observations of internal flow inside an evaporating nanofluid sessile droplet in the presence of an entrapped air bubble. 2016 , 6, 32767	
737 736	Observations of internal flow inside an evaporating nanofluid sessile droplet in the presence of an entrapped air bubble. 2016 , 6, 32767 Low internal pressure in femtoliter water capillary bridges reduces evaporation rates. 2016 , 6, 22232	7
737 736 735	Observations of internal flow inside an evaporating nanofluid sessile droplet in the presence of an entrapped air bubble. 2016 , 6, 32767 Low internal pressure in femtoliter water capillary bridges reduces evaporation rates. 2016 , 6, 22232 Internal fluid motion and particle transport in externally heated sessile droplets. 2016 , 62, 1308-1321 Fast-Track, One-Step E. coli Detection: A Miniaturized Hydrogel Array Permits Specific Direct PCR	7
737 736 735 734	Observations of internal flow inside an evaporating nanofluid sessile droplet in the presence of an entrapped air bubble. 2016, 6, 32767 Low internal pressure in femtoliter water capillary bridges reduces evaporation rates. 2016, 6, 22232 Internal fluid motion and particle transport in externally heated sessile droplets. 2016, 62, 1308-1321 Fast-Track, One-Step E. coli Detection: A Miniaturized Hydrogel Array Permits Specific Direct PCR and DNA Hybridization while Amplification. 2016, 16, 1325-33 The structure and conductivity of thin composite films formed from nanodispersions of silver	7 16 5
737 736 735 734 733	Observations of internal flow inside an evaporating nanofluid sessile droplet in the presence of an entrapped air bubble. 2016, 6, 32767 Low internal pressure in femtoliter water capillary bridges reduces evaporation rates. 2016, 6, 22232 Internal fluid motion and particle transport in externally heated sessile droplets. 2016, 62, 1308-1321 Fast-Track, One-Step E. coli Detection: A Miniaturized Hydrogel Array Permits Specific Direct PCR and DNA Hybridization while Amplification. 2016, 16, 1325-33 The structure and conductivity of thin composite films formed from nanodispersions of silver particles by the moving meniscus method. 2016, 78, 315-321 Low temperature thermal engineering of nanoparticle ink for flexible electronics applications.	7 16 5

729	Salt precipitation during CO 2 storageA review. 2016 , 51, 136-147	76
728	Regimes of water droplet evaporation on copper substrates. 2016 , 78, 335-339	27
727	Steady-state droplet evaporation: Contact angle influence on the evaporation efficiency. 2016 , 101, 418-426	31
726	Reducing Spatial Heterogeneity of MALDI Samples with Marangoni Flows During Sample Preparation. 2016 , 27, 1314-21	25
7 2 5	Nanoparticle motion and deposition near the triple line in evaporating sessile water droplet on a superhydrophilic substrate. 2016 , 76, 67-74	6
724	Development of hydrophobic surface substrates enabling reproducible drop-and-dry spectroscopic measurements. 2016 , 153, 31-7	3
723	Evaporation dynamics and sedimentation pattern of a sessile particle laden water droplet. 2016 , 57, 1	3
722	Spreading of the nanofluid triple line in ink jet printed electronics tracks. 2016 , 11, 77-84	13
721	Kinetics of Evaporation of Pinned Nanofluid Volatile Droplets at Subatmospheric Pressures. 2016 , 32, 5812-20	5
720	A model for pattern deposition from an evaporating solution subject to contact angle hysteresis and finite solubility. 2016 , 12, 5693-707	16
719	Evaporation of Sessile Droplets Laden with Particles and Insoluble Surfactants. 2016 , 32, 6871-81	66
718	Mass transfer during drying of colloidal film beneath a patterned mask that contains a hexagonal array of holes. 2016 , 681, 012033	2
717	Modeling the self-assembly of nanoparticles into branched aggregates from a sessile nanofluid droplet. 2016 , 94, 650-656	10
716	Capillary bridge: Transition from equilibrium to hydrodynamic state. 2016 , 505, 98-105	9
715	Insight into the Evaporation Dynamics of a Pair of Sessile Droplets on a Hydrophobic Substrate. 2016 , 32, 1309-18	33
714	Electrowetting Controls the Deposit Patterns of Evaporated Salt Water Nanodroplets. 2016 , 32, 1542-9	34
713	Nanofluid Dynamic Wetting with External Thermal Fields. 2016 , 95-107	
712	Anti-smudge behavior of facilely fabricated liquid-infused surfaces with extremely low contact angle hysteresis property. 2016 , 6, 19214-19222	16

(2017-2016)

711	Inkjet printing and photonic sintering of silver and copper oxide nanoparticles for ultra-low-cost conductive patterns. 2016 , 4, 3546-3554	79
710	Interfacial adhesion enhancement of ink-jet printed transparent metallic grid electrodes induced by the coffee-ring effect. 2016 , 4, 4218-4225	8
709	Line printing solution-processable small molecules with uniform surface profile via ink-jet printer. 2016 , 465, 106-11	49
708	Nanomanufacturing: A Perspective. 2016 , 10, 2995-3014	126
707	Electrochemical camera chip for simultaneous imaging of multiple metabolites in biofilms. 2016 , 7, 10535	68
706	Blood drop patterns: Formation and applications. 2016 , 231, 1-14	70
705	Evaporation-Induced Self-Assembly of Ultrathin Tungsten Oxide Nanowires over a Large Scale for Ultraviolet Photodetector. 2016 , 32, 2474-81	30
704	Near-wall fluid flow near the pinned contact line during droplet evaporation. 2016 , 72, 210-217	13
703	Low temperature additive manufacturing of three dimensional scaffolds for bone-tissue engineering applications: Processing related challenges and property assessment. 2016 , 103, 1-39	142
702	Real-time evaluation of thin film drying kinetics using an advanced, multi-probe optical setup. 2016 , 4, 2178-2186	22
701	Mathematical modeling of pattern formation caused by drying of colloidal film under a mask. 2016 , 39, 26	7
700	Stick-Jump (SJ) Evaporation of Strongly Pinned Nanoliter Volume Sessile Water Droplets on Quick Drying, Micropatterned Surfaces. 2016 , 32, 2679-86	20
699	Calcinated gold nanoparticle arrays for on-chip, multiplexed and matrix-free mass spectrometric analysis of peptides and small molecules. 2016 , 8, 1665-75	29
698	Surfactant-driven flow transitions in evaporating droplets. 2016 , 12, 1593-600	79
697	Droplet evaporation on a horizontal substrate under gravity field by mesoscopic modeling. 2016 , 463, 317-23	16
696	Soft Impact Cratering. 2016 , 203-260	O
695	Effect of Hydrothermal Waves on Evaporation Distribution During Drop Evaporation. 2016 , 37, 729-740	6
694	Droplet evaporation with complexity of evaporation modes. 2017 , 110, 031602	17

693	Heat and mass transfer near contact lines on heated surfaces. 2017, 108, 918-932	38
692	Solution-Processed Organic Thin-Film Transistor Arrays with the Assistance of Laser Ablation. 2017 , 9, 3849-3856	22
691	Kinetic effects regularize the mass-flux singularity at the contact line of a thin evaporating drop. 2017 , 106, 47-73	6
690	Generalized formulation for evaporation rate and flow pattern prediction inside an evaporating pinned sessile drop. 2017 , 109, 482-500	32
689	Evaporative Lithography in Open Microfluidic Channel Networks. 2017, 33, 2861-2871	12
688	Inkjet Printing of Photonic Crystals. 2017 , 183-211	1
687	Evaporation of inclined water droplets. 2017 , 7, 42848	27
686	Discrete Element Model for Suppression of Coffee-Ring Effect. 2017 , 7, 42817	14
685	Inkjet printed polystyrene sulfuric acid-doped poly(3,4-ethylenedioxythiophene) (PEDOT) uniform thickness films in confined grooves through decreasing the surface tension of PEDOT inks. 2017 , 7, 7725-7733	3 ¹³
684	Spatiotemporal infrared measurement of interface temperatures during water droplet evaporation on a nonwetting substrate. 2017 , 110, 041605	27
683	Modeling nanofluid sessile drop evaporation. 2017 , 53, 2341-2349	5
682	Octagon to Square Wetting Area Transition of Water-Ethanol Droplets on a Micropyramid Substrate by Increasing Ethanol Concentration. 2017 , 33, 1147-1154	18
681	Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists. 2017 , 246, 217-274	114
680	Detailed finite element method modeling of evaporating multi-component droplets. 2017, 340, 670-687	39
679	The coffee-drop phenomenon and its time fluctuations: Self-sustained oscillations in colloidal liquids. 2017 , 62, 347-354	3
678	Homogeneous Surface Profiles of Inkjet-Printed Silver Nanoparticle Films by Regulating Their Drying Microenvironment. 2017 , 121, 8992-8998	13
677	E-MALDI: optimized conditions during electrowetting-enhanced drop drying for MALDI-MS. 2017 , 52, 405-410	1
676	Mechanisms of pinning accompanying evaporation of colloidal dispersion droplets. 2017 , 79, 234-243	5

675 Non-singular Model for Evaporating Sessile Droplets. **2017**, 311-316

674	The calorimetric properties of liposomes determine the morphology of dried droplets. 2017 , 155, 215-222	5
673	Dynamics of a Water Droplet over a Sessile Oil Droplet: Compound Droplets Satisfying a Neumann Condition. 2017 , 33, 5713-5723	13
672	High-Power Graphenellarbon Nanotube Hybrid Supercapacitors. 2017 , 3, 436-446	30
671	Design and characterization of a mapping device optimized to collect XRD patterns from highly inhomogeneous and low density powder samples. 2017 , 411, 22-28	6
670	Suppression of the coffee-ring effect in a hectorite aqueous dispersion. 2017 , 317, 83-88	1
669	Ultraviolet Raman Wide-Field Hyperspectral Imaging Spectrometer for Standoff Trace Explosive Detection. 2017 , 71, 173-185	17
668	Xeromorphic traits help to maintain photosynthesis in the perhumid climate of a Taiwanese cloud forest. 2017 , 184, 609-621	10
667	Effects of Interface Velocity, Diffusion Rate, and Radial Velocity on Colloidal Deposition Patterns Left by Evaporating Droplets. 2017 , 139,	7
666	Deposition Patterns of Two Neighboring Droplets: Onsager Variational Principle Studies. 2017 , 33, 5965-5972	11
665	Sessile droplets for chemical and biological assays. 2017 , 17, 2150-2166	77
664	Modified coffee rings for 1-D electronics: Size considerationsView all notes. 2017 , 646, 26-30	1
663	Altering the coffee-ring effect by adding a surfactant-like viscous polymer solution. 2017 , 7, 500	63
662	Model of spontaneous evaporating droplet on solid horizontal substrate. 2017 , 788, 012048	1
661	Deposition and drying dynamics of liquid crystal droplets. 2017 , 8, 15642	47
660	Effect of a weak magnetic field and low-energy X-rays on the evolution of Saccharomyces cerevisiae yeast suspension. 2017 , 11, 280-284	1
659	Inkjet-Printed In-Ga-Zn Oxide Thin-Film Transistors with Laser Spike Annealing. 2017 , 46, 4497-4502	14
658	Efficacy of herbicidal ionic liquids and choline salt based on 2,4-D. 2017 , 98, 85-93	24

657	Manipulating colloidal residue deposit from drying droplets: Air/liquid interface capture competes with coffee-ring effect. 2017 , 167, 78-87	17
656	Evaporation controlled particle patterns in a polymer droplet. 2017 , 7, 18321-18326	6
655	Stratification Dynamics in Drying Colloidal Mixtures. 2017 , 33, 3685-3693	56
654	Paradoxical coffee-stain effect driven by the Marangoni flow observed on oil-infused surfaces. 2017 , 522, 355-360	9
653	Dynamics and universal scaling law in geometrically-controlled sessile drop evaporation. 2017, 8, 14783	75
652	Formation of coffee-stain patterns at the nanoscale: The role of nanoparticle solubility and solvent evaporation rate. 2017 , 146, 114503	7
651	Evaporation of an inkjet droplet on a flat substrate. 2017 , 56, 016701	О
650	Evaporating thin film profile near the contact line of a partially wetting water droplet under environmental heating. 2017 , 107, 1-5	13
649	Gate- and Light-Tunable pn Heterojunction Microwire Arrays Fabricated via Evaporative Assembly. 2017 , 9, 3857-3864	4
648	Coffee-stain growth dynamics on dry and wet surfaces. 2017 , 29, 074001	7
647	Thermo-Driven Evaporation Self-Assembly and Dynamic Analysis of Homocentric Carbon Nanotube Rings. 2017 , 13, 1603642	10
646	Following the Assembly of Iron Oxide Nanocubes by Video Microscopy and Quartz Crystal Microbalance with Dissipation Monitoring. 2017 , 33, 303-310	11
645	Influence of magnetic field on evaporation of a ferrofluid droplet. 2017 , 122, 145302	10
644	Modeling of mass transfer in a film of solution evaporating under the mask with holes. 2017 , 40, 83	2
643	Evaporative Optical Marangoni Assembly: Tailoring the Three-Dimensional Morphology of Individual Deposits of Nanoparticles from Sessile Drops. 2017 , 9, 37435-37445	11
642	Steady Method for the Analysis of Evaporation Dynamics. 2017 , 33, 12007-12015	25
641	Mechanisms of depinning accompanying evaporation of colloidal dispersion droplets. 2017 , 79, 515-525	3
640	Investigation of 2D drop evaporation on a smooth and homogeneous surface using Lattice Boltzmann method. 2017 , 89, 64-72	4

639	Controllable assembly of silver nanoparticles based on the coffee-ring effect for high-sensitivity flexible strain gauges. 2017 , 264, 188-194	5
638	Inkjet-printing line film with varied droplet-spacing. 2017 , 51, 308-313	17
637	Drying of Droplets of Colloidal Suspensions on Rough Substrates. 2017 , 33, 10061-10076	35
636	A review on inkjet printing of CNT composites for smart applications. 2017 , 9, 372-386	104
635	Transparent arrays of silver nanowire rings driven by evaporation of sessile droplets. 2017 , 50, 455302	6
634	Suppression of the Coffee-Ring Effect and Evaporation-Driven Disorder to Order Transition in Colloidal Droplets. 2017 , 8, 4704-4709	36
633	Universal evaporation dynamics of a confined sessile droplet. 2017 , 111, 101601	19
632	CREIM: Coffee Ring Effect Imaging Model for Monitoring Protein Self-Assembly in Situ. 2017 , 8, 4846-4851	11
631	Polypeptide Composite Particle-Assisted Organization of Econjugated Polymers into Highly Crystalline "Coffee Stains". 2017 , 9, 34337-34348	7
630	Black phosphorus ink formulation for inkjet printing of optoelectronics and photonics. 2017 , 8, 278	225
629	Infra-Red measurements of an evaporating meniscus with imposed contact angle. 2017, 121, 89-98	1
628	Directional Solvent Vapor Annealing for Crystal Alignment in Solution-Processed Organic Semiconductors. 2017 , 9, 26226-26233	14
627	Evaporation induced natural convection inside a droplet of aqueous solution placed on a superhydrophobic surface. 2017 , 530, 1-12	18
626	Deposition pattern and tracer particle motion of evaporating multi-component sessile droplets. 2017 , 506, 83-92	14
625	Vapor-Induced Motion of Liquid Droplets on an Inert Substrate. 2017 , 119, 044502	32
624	Experimental investigation of interfacial energy transport in an evaporating sessile droplet for evaporative cooling applications. <i>Physical Review E</i> , 2017 , 95, 012609	22
623	Aggregation-Induced Emission Luminogen-Based Direct Visualization of Concentration Gradient Inside an Evaporating Binary Sessile Droplet. 2017 , 9, 29157-29166	14
622	Preparation and characterization of polymeric nanocomposite films for application as protective coatings. 2017 ,	O

621	Simple scaling laws for the evaporation of droplets pinned on pillars: Transfer-rate- and diffusion-limited regimes. <i>Physical Review E</i> , 2017 , 96, 062803	2
620	Diffusiophoresis in nonadsorbing polymer solutions: The Asakura-Oosawa model and stratification in drying films. <i>Physical Review E</i> , 2017 , 96, 062602	53
619	Assembly of PCBM and tn-ZnPc Molecular Domains and Phase Separation of Molecular Mixtures from Liquid Solution on Si(111). 2017 , 33, 13657-13668	
618	Improved performance of inkjet-printed Ag source/drain electrodes for organic thin-film transistors by overcoming the coffee ring effects. 2017 , 7, 115008	6
617	Role of red cells and plasma composition on blood sessile droplet evaporation. <i>Physical Review E</i> , 2017 , 96, 053114	16
616	Role of Vapor Mass Transfer in Flow Coating of Colloidal Dispersions in the Evaporative Regime. 2017 , 33, 14078-14086	5
615	Horizontal drying fronts in films of colloidal dispersions: influence of hydrostatic pressure and collective diffusion. 2017 , 13, 9162-9173	4
614	Effect of Substrate Temperature on Pattern Formation of Bidispersed Particles from Volatile Drops. 2017 , 121, 11002-11017	11
613	Understanding desiccation patterns of blood sessile drops. 2017 , 5, 8991-8998	25
612	A technique based on droplet evaporation to recognize alcoholic drinks. 2017, 88, 074101	13
611	Oblique Colloidal Lithography for the Fabrication of Nonconcentric Features. 2017 , 11, 6594-6604	11
610	Inkjet printing of oxide thin film transistor arrays with small spacing with polymer-doped metal nitrate aqueous ink. 2017 , 5, 7495-7503	26
609	Heat and mass transfer boundary conditions at the surface of a heated sessile droplet. 2017 , 53, 3581-3591	9
608	Effect of temperature on ring-shaped-deposit formated at evaporation of droplets of silver-nanoparticle dispersions. 2017 , 79, 190-197	3
607	A minimal model for solvent evaporation and absorption in thin films. 2017 , 488, 61-71	13
606	Fundamentals of Scaffolds Fabrication Using Low Temperature Additive Manufacturing. 2017 , 127-173	2
605	Raman enhancement by individual silver hemispheroids. 2017 , 397, 119-124	7
604	Modeling the evaporation of sessile multi-component droplets. 2017 , 487, 426-436	65

603	Visualization and simulation of the transfer process of index-matched silica microparticle inks for gravure printing. 2017 , 63, 1419-1429	4
602	Convection Inside a Pinned Water Droplet During Drying Process. 2017 , 1323-1330	
601	Resolving an ostensible inconsistency in calculating the evaporation rate of sessile drops. 2017 , 243, 121-128	8
600	Drop coating deposition of a liposome suspension on surfaces with different wettabilities: "coffee ring" formation and suspension preconcentration. 2016 , 19, 388-393	19
599	Boundary conditions for a one-sided numerical model of evaporative instabilities in sessile drops of ethanol on heated substrates. <i>Physical Review E</i> , 2017 , 96, 063113	13
598	A study on arrangement characteristics of microparticles in sedimentation on flat and round substrates. 2017 , 111, 264101	1
597	Drying droplet deposited on poor wetting substrate: beyond the lubrication approximation. 2017 , 925, 012004	1
596	Breath-Figure Self-Assembly, a Versatile Method of Manufacturing Membranes and Porous Structures: Physical, Chemical and Technological Aspects. 2017 , 7,	30
595	Bibliography. 2017 , 195-209	
594	Droplets, Evaporation and a Superhydrophobic Surface: Simple Tools for Guiding Colloidal Particles into Complex Materials. 2017 , 3,	18
593	Patterns from dried water-butanol binary-based nanofluid drops. 2017 , 19, 1	13
592	Spontaneous evaporation of the acetone drop. 2017 , 937, 012012	
591	Fluid Flow and Thin-Film Evolution near the Triple Line during Droplet Evaporation of Self-Rewetting Fluids. 2018 , 34, 3853-3863	9
590	Corrosion influence on the evaporation of sessile droplet. 2018 , 546, 59-66	7
589	The Factors Determining Formation Dynamics and Structure of Ring-Shaped Deposits Resulting from Capillary Self-Assembly of Particles. 2018 , 80, 59-72	4
588	Manipulation of Colloidal Particles in Three Dimensions via Microfluid Engineering. 2018 , 30, e1707291	21
587	Re-organized graphene nanoplatelet thin films achieved by a two-step hydraulic method. 2018 , 84, 141-145	1
586	From Dot to Ring: The Role of Friction in the Deposition Pattern of a Drying Colloidal Suspension Droplet. 2018 , 34, 5303-5311	13

585	The effect of sand grain roughness on the grain-scale spatial distribution of grain-surface precipitates formed by evaporation. 2018 , 548, 134-141	1
584	Solvent Retention and Crack Evolution in Dropcast PEDOT:PSS and Dependence on Surface Wetting. 2018 , 3, 3868-3873	5
583	Effect of particle shape on drying dynamics in suspension drops using multi-speckle diffusing wave spectroscopy. 2018 , 296, 971-979	4
582	Interaction anisotropy and the KPZ to KPZQ transition in particle deposition at the edges of drying drops. 2018 , 14, 1903-1907	6
581	Central spot formed in dried coffee-water-mixture droplets: Inverse coffee-ring effect. 2018 , 18, 477-483	6
580	An assembly of organic-inorganic composites using halloysite clay nanotubes. 2018 , 35, 42-50	239
579	Mesoscale Block Copolymers. 2018 , 30, e1706118	8
578	Biofluid spectroscopic disease diagnostics: A review on the processes and spectral impact of drying. 2018 , 11, e201700299	48
577	Guided Heterogeneous Nucleation of Sodium Chloride at Self-Assembled Monolayer-Modified Nanoporous Gold Films. 2018 , 34, 2420-2424	
576	Micro to Nanoscale Engineering of Surface Precipitates Using Reconfigurable Contact Lines. 2018 , 34, 2109-2120	3
575	The meniscus-guided deposition of semiconducting polymers. 2018 , 9, 534	214
574	Modeling solvent evaporation during thin film formation in phase separating polymer mixtures. 2018 , 14, 1833-1846	26
573	Nonisothermal Spreading Dynamics of Self-Rewetting Droplets. 2018 , 34, 1916-1931	9
572	Dynamic Air-Brush Deposition Method for the New Generation of Graphene Based Supercapacitors. 2018 , 3, 79-84	3
571	Dynamic Control of Particle Deposition in Evaporating Droplets by an External Point Source of Vapor. 2018 , 9, 659-664	37
570	Temporal and spatial evolution of the thin film near triple line during droplet evaporation. 2018 , 117, 1147-1157	2
569	Rapid estimation of the Esheet content of Human Serum Albumin from the drying patterns of HSA-nanoparticle droplets. 2018 , 540, 177-185	5
568	Molecular investigation of evaporation of biodroplets containing single-strand DNA on graphene surface. 2018 , 20, 4936-4952	3

567	Printable Transparent Conductive Films for Flexible Electronics. 2018, 30, 1704738	338
566	A review on suppression and utilization of the coffee-ring effect. 2018 , 252, 38-54	239
565	Evaporation of Nanosuspensions on Substrates with Different Hydrophobicity. 2018, 10, 3082-3093	11
564	Hierarchical Surface Patterns upon Evaporation of a ZnO Nanofluid Droplet: Effect of Particle Morphology. 2018 , 34, 1645-1654	16
563	Stagnation Point of Surface Flow during Drop Evaporation. 2018 , 34, 5918-5925	10
562	Simulations of the dynamic deposition of colloidal particles from a volatile sessile drop. 2018 , 525, 282-290	6
561	Patterned Arrays of Functional Lateral Heterostructures via Sequential Template-Directed Printing. 2018 , 14, e1800792	8
560	Combining Inkjet Printing with Emulsion Solvent Evaporation to Pattern Polymeric Particles. 2018 , 10, 12317-12322	23
559	Inkjet printing for the fabrication of flexible/stretchable wearable electronic devices and sensors. 2018 , 38, 438-452	43
558	Drying drops: Drying drops containing solutes: From hydrodynamical to mechanical instabilities. 2018 , 41, 32	47
557	Bio-ionic Liquids as Adjuvants for Sulfonylurea Herbicides. 2018 , 66, 404-414	16
556	Mechanisms of pattern formation from dried sessile drops. 2018 , 254, 22-47	70
555	Reversing Coffee-Ring Effect by Laser-Induced Differential Evaporation. 2018 , 8, 3157	26
554	Recent advances in droplet wetting and evaporation. 2018, 47, 558-585	151
553	Evaporation characteristics of droplets on a gradient microhole-patterned surface. 2018, 53, 1447-1454	3
552	Patterns produced by dried droplets of protein binary mixtures suspended in water. 2018 , 161, 103-110	24
551	Cracks in dried deposits of hematite ellipsoids: Interplay between magnetic and hydrodynamic torques. 2018 , 510, 172-180	9
550	Superwettable microchips with improved spot homogeneity toward sensitive biosensing. 2018 , 102, 418-424	30

549	Quantification of Marangoni flows and film morphology during solid film formation by inkjet printing. 2018 , 59, 1		4
548	NV-centers in nanodiamonds: How good they are. 2018 , 82, 87-95		19
547	Multiscale assembly of solution-processed organic electronics: the critical roles of confinement, fluid flow, and interfaces. 2018 , 29, 044004		50
546	Evaporation Rate Profiles from a Liquid in a Cylindrical Hole. 2018 , 51, 49-52		1
545	Structure and Electrical Conductivity of Ring Deposits Resulting from Evaporation of Droplets of Dispersions Containing Gold Nanoparticles with Different Degrees of Anisotropy. 2018 , 80, 615-624		2
544	The effect of particle wettability on the stick-slip motion of the contact line. 2018 , 14, 9599-9608		11
543	Role of the interfaces and the charge of a molecule in the non-equilibrium crystallization of dipeptide nanomaterials onto solid substrates. 2018 , 20, 7688-7699		2
542	Thin wedge evaporation/condensation controlled by the vapor dynamics in the atmosphere. 2018 , 41, 147		1
541	Modulation of nanoparticle separation by initial contact angle in coffee ring effect. 2018, 6,		9
540	Patterning Bubbles by the Stick-Slip Motion of the Advancing Triple Phase Line on Nanostructures. 2018 , 34, 15804-15811		4
539	Solid Deep Ultraviolet Diffracting Inverse Opal Photonic Crystals. 2018, 1, 7016-7024		10
538	Spray Deposition of Ag Nanowire?Graphene Oxide Hybrid Electrodes for Flexible Polymer?Dispersed Liquid Crystal Displays. 2018 , 11,		16
537	Hollow Rims from Water Drop Evaporation on Salt Substrates. 2018, 121, 214501		9
536	Transitional bulk-solutal Marangoni instability in sessile drops. <i>Physical Review E</i> , 2018 , 98,	2.4	3
535	Remote-controlled deposit of superparamagnetic colloidal droplets. <i>Physical Review E</i> , 2018 , 98,	2.4	2
534	A note on evolution of pressure and flow within an evaporating capillary bridge. 2018, 41, 140		2
533	Surface Quality. 2018 , 75-155		
532	Capillary force induced air film for self-aligned short channel: pushing the limits of inkjet printing. 2018 , 14, 9402-9410		4

531	Suppression of the coffee-ring effect by sugar-assisted depinning of contact line. 2018, 8, 17769	19
530	Uranium oxide microparticle suspensions for the production of reference materials for micro-analytical methods. 2018 , 318, 907-914	5
529	Uniform inkjet-printed films with single solvent. 2018 , 667, 21-27	6
528	Controlled evaporative self-assembly of polymer nanoribbons using oscillating capillary bridges. 2018 , 56, 1545-1551	6
527	Structures and infrared spectra of 5-chlorouracil molecules in the low-temperature inert Ar, Ne matrices and composite films with oxide graphene. 2018 , 44, 847-855	0
526	Photoluminescence of Drying Droplets with Silicon Nanoparticles. 2018 , 34, 12794-12801	4
525	Singular sublimation of ice and snow crystals. 2018 , 9, 4191	20
524	Evaporation of Water on Suspended Graphene: Suppressing the Effect of Physically Heterogeneous Surfaces. 2018 , 34, 14085-14095	5
523	Beyond the coffee-ring effect: Pattern formation by wetting and spreading of drops. <i>Physical Review E</i> , 2018 , 98,	5
522	Viscoelastic Particle-Laden Interface Inhibits Coffee-Ring Formation. 2018 , 34, 14294-14301	16
522 521	Viscoelastic Particle-Laden Interface Inhibits Coffee-Ring Formation. 2018 , 34, 14294-14301 The influence of container geometry and thermal conductivity on evaporation of water at low pressures. 2018 , 8, 15121	16 8
	The influence of container geometry and thermal conductivity on evaporation of water at low	
521	The influence of container geometry and thermal conductivity on evaporation of water at low pressures. 2018 , 8, 15121	8
521 520	The influence of container geometry and thermal conductivity on evaporation of water at low pressures. 2018, 8, 15121 Nanofluid Al2O3H2O evaporation: energy and deposition patterns. 2018, 83, 10903 Nanoscale Topographical Fluctuations: A Key Factor for Evaporative Colloidal Self-Assembly. 2018,	8
521 520 519	The influence of container geometry and thermal conductivity on evaporation of water at low pressures. 2018, 8, 15121 Nanofluid Al2O3H2O evaporation: energy and deposition patterns. 2018, 83, 10903 Nanoscale Topographical Fluctuations: A Key Factor for Evaporative Colloidal Self-Assembly. 2018, 34, 12751-12758 Analysis of the Distinct Pattern Formation of Globular Proteins in the Presence of Micro- and	8 1 9
521 520 519 518	The influence of container geometry and thermal conductivity on evaporation of water at low pressures. 2018, 8, 15121 Nanofluid Al2O3H2O evaporation: energy and deposition patterns. 2018, 83, 10903 Nanoscale Topographical Fluctuations: A Key Factor for Evaporative Colloidal Self-Assembly. 2018, 34, 12751-12758 Analysis of the Distinct Pattern Formation of Globular Proteins in the Presence of Micro- and Nanoparticles. 2018, 122, 8972-8984 Morphology modulation in evaporative drying mediated crystallization of sodium chloride solution	8 1 9
521 520 519 518	The influence of container geometry and thermal conductivity on evaporation of water at low pressures. 2018, 8, 15121 Nanofluid Al2O3H2O evaporation: energy and deposition patterns. 2018, 83, 10903 Nanoscale Topographical Fluctuations: A Key Factor for Evaporative Colloidal Self-Assembly. 2018, 34, 12751-12758 Analysis of the Distinct Pattern Formation of Globular Proteins in the Presence of Micro- and Nanoparticles. 2018, 122, 8972-8984 Morphology modulation in evaporative drying mediated crystallization of sodium chloride solution droplet with surfactant. 2018, 14, 7883-7893 A phenomenological approach to the deposition pattern of evaporating droplets with contact line	8 1 9 8

513	A theoretical analysis of the deposition of colloidal particles from a volatile liquid meniscus in a rectangular chamber. 2018 , 549, 221-236	6
512	Facile preparation of honeycomb-structured TiO2 nanofilm via breath figures assembly and coffee ring effect. 2018 , 227, 74-77	2
511	Capillary Coatings: Flow and Drying Dynamics in Open Microchannels. 2018, 34, 7624-7639	17
510	Graphene Supercapacitors. 2018 , 71-102	
509	Interfacial Targeting of Sessile Droplets Using Electrospray. 2018, 34, 7445-7454	8
508	Morphology Modulation of Direct Inkjet Printing by Incorporating Polymers and Surfactants into a Sol-Gel Ink System. 2018 , 34, 6413-6419	20
507	Analytical Model for Diffusive Evaporation of Sessile Droplets Coupled with Interfacial Cooling Effect. 2018 , 34, 6955-6962	22
506	Droplet Drying Patterns on Solid Substrates: From Hydrophilic to Superhydrophobic Contact to Levitating Drops. 2018 , 2018, 1-24	26
505	Critical Impact of Solvent Evaporation on the Resolution of Inkjet Printed Nanoparticles Film. 2018 , 10, 22883-22888	8
504	Formation of Hierarchical Porous Structure via Breath Figure Method. 2018 , 2018, 1-6	3
503	Fabrication of Large-Area Arrays of Vertically Aligned Gold Nanorods. 2018 , 18, 4467-4472	55
502	Texture analysis of protein deposits produced by droplet evaporation. 2018 , 8, 9580	35
501	Mono- and Multilayer Silicene-Type Honeycomb Lattices by Oriented Attachment of PbSe Nanocrystals: Synthesis, Structural Characterization, and Analysis of the Disorder. 2018 , 30, 4831-4837	26
500	Black Phosphorus: Degradation Favors Lubrication. 2018 , 18, 5618-5627	71
499	The influence of key factors on the heat and mass transfer of a sessile droplet. 2018 , 99, 59-70	39
498	Sessile drop evaporation under an electric field. 2018 , 555, 580-585	12
497	Robust, flexible, sticky and high sensitive SERS membrane for rapid detection applications. 2018 , 274, 676-681	23
496	Nonvolatile Memories Based on Graphene-Based Nanomaterials. 2018, 41-69	

The Effect of Evaporation Temperature on the Structure and Conductivity of Thin Films Obtained 495 by the Moving Meniscus Method from Nanodispersions of Silver Particles. 2018, 80, 152-157 Drying colloidal systems: Laboratory models for a wide range of applications. 2018, 41, 94 494 27 Preventing the coffee-ring effect and aggregate sedimentation by gelation of monodisperse 38 493 materials. 2018, 9, 7596-7605 Focused-ion-beam-enabled electroless growth of gold nanoparticles on silicon. 2018, 126, 614-624 492 Emergence of different crystal morphologies using the coffee ring effect. 2018, 8, 12503 8 491 Highly Conductive Nano-Silver Circuits by Inkjet Printing. 2018, 47, 5133-5147 490 11 Atmospheric air plasma induces increased cell aggregation during the formation of Escherichia coli 489 1 biofilms. 2018, 15, 1700212 488 Printing Technologies. 2019, 135-178 Determining how diluted bloodstains were derived: Inferring distinctive characteristics and 487 1 formulating a guideline. **2019**, 302, 109918 Influence of the drying configuration on the patterning of ellipsoids - concentric rings and 486 6 concentric cracks. 2019, 21, 20045-20054 Wetting Properties and Thin-Film Quality in the Wet Deposition of Zeolites. 2019, 4, 13488-13495 485 3 Investigation of the confinement effect on the evaporation behavior of a droplet pinned on a 484 micropillar structure. 2019, 555, 583-594 483 Hexagonal deposits of colloidal particles. Physical Review E, 2019, 100, 022602 6 2.4 Inkjet printing of zinc oxide and P3HT:ICBA in ambient conditions for inverted bulk heterojunction 482 16 solar cells. 2019, 94, 430-435 Hydrodynamic and physicochemical phenomena in liquid droplets under the action of nanosecond 481 5 spark discharges: A review. 2019, 271, 101986 480 The effect of the liquid layer thickness on the dissolution of immersed surface droplets. **2019**, 15, 6461-6468 Solvodynamic Printing As A High Resolution Printing Method. 2019, 9, 10766 479 4

Reflections from gems in the old literature. 2019, 72, 12-13

478

477	Dynamic Crystallization and Phase Transition in Evaporating Colloidal Droplets. 2019, 19, 8225-8233	9
476	Programmed Design of Highly Crystalline Organic Semiconductor Patterns with Uniaxial Alignment via Blade Coating for High-Performance Organic Field-Effect Transistors. 2019 , 11, 42403-42411	17
475	Bioinspired functions. 2019 , 147-246	1
474	Inkjet printing of carbon nanotubes (CNTs) with a binary surfactant mixture: The effect of the nonionic surfactant on the uniformity of the printed surface. 2019 , 100, 107550	4
473	Combined effects of Marangoni, sedimentation and coffee-ring flows on evaporative deposits of superparamagnetic colloids. 2019 , 32, 100198	2
472	Droplet Microgoniometry Using Optical Microscopy. 2019 , 13, 13343-13353	5
471	Rapid and Controllable Design of Robust Superwettable Microchips by a Click Reaction for Efficient -Phthalaldehyde and Glucose Detection. 2019 , 5, 6186-6195	3
470	Inkjet-printed CMOS-integrated graphenefhetal oxide sensors for breath analysis. 2019, 3,	20
469	Role of device architecture and AlOX interlayer in organic Schottky diodes and their interpretation by analytical modeling. 2019 , 126, 125501	5
468	Cooling effect for evaporating of drops situated at high-conductivity substrate. 2019 , 1205, 012012	O
467	Interfacial flows in sessile evaporating droplets of mineral water. <i>Physical Review E</i> , 2019 , 100, 033103 2.4	14
466	Compound redistribution due to droplet evaporation on a thin polymeric film: Theory. 2019 , 126, 065303	1
465	Recent advances in the orientation of conjugated polymers for organic field-effect transistors. 2019 , 7, 13323-13351	65
464	Role of Surfactant in Evaporation and Deposition of Bisolvent Biopolymer Droplets. 2019 , 35, 12773-12781	7
463	The Features of Ring-Shaped Deposit Formation upon Evaporation of Magnetic Colloid Droplets in a Magnetic Field. 2019 , 81, 501-506	1
462	Self-Assembly of Ordered Microparticle Monolayers from Drying a Droplet on a Liquid Substrate. 2019 , 10, 6184-6188	9
461	Control of Droplet Evaporation on Oil-Coated Surfaces for the Synthesis of Asymmetric Supraparticles. 2019 , 35, 14042-14048	16
460	Fabrication and Characterization of Fully Inkjet Printed Capacitors Based on Ceramic/Polymer Composite Dielectrics on Flexible Substrates. 2019 , 9, 13324	18

459	Large-scale colloidal films with robust structural colors. 2019 , 6, 90-96	77
458	Active matter alters the growth dynamics of coffee rings. 2019 , 15, 1488-1496	15
457	Gelatinthitosan hydrogel particles for efficient removal of Hg(II) from wastewater. 2019 , 5, 83-90	27
456	Controlling self-assembly and buckling in nano fluid droplets through vapour mediated interaction of adjacent droplets. 2019 , 541, 348-355	7
455	Aligning One-Dimensional Nanomaterials by Solution Processes. 2019 , 4, 1816-1823	12
454	Formation, stability and hydrothermal waves in evaporating liquid lenses. 2019 , 15, 1970-1978	5
453	Nonvolatile Memories Based on Graphene and Related 2D Materials. 2019 , 31, e1806663	145
452	Large-Size Single-Crystal Oligothiophene-Based Monolayers for Field-Effect Transistors. 2019 , 11, 6315-6324	16
451	Underpinning transport phenomena for the patterning of biomolecules. 2019 , 48, 1236-1254	18
450	Vapor-induced motion of two pure liquid droplets. 2019 , 15, 2135-2139	13
449	Interfacial Self-Assembly in Halloysite Nanotube Composites. 2019 , 35, 8646-8657	56
448	Investigation of handheld laser induced breakdown spectroscopy (HH LIBS) for the analysis of beryllium on swipe surfaces. 2019 , 11, 752-759	10
447	The Effect of Electrokinetic Potential on Evaporation of Colloidal Dispersion Droplets. 2019 , 81, 136-145	1
446	Controlled processing of polymer nanoribbons: Enabling microhelix transformations. 2019 , 57, 1270-1278	2
445	Meniscus fabrication of halide perovskite thin films at high throughput for large area and low-cost solar panels. 2019 , 1, 022004	33
444	Transport dynamics of charged colloidal particles during directional drying of suspensions in a confined microchannel. <i>Physical Review E</i> , 2019 , 99, 062606	2
443	A New Mechanism of Coffee-Ring Formation Deduced from Numerical Simulations with Considering Deformation and Wettability. 2019 , 52, 484-492	2
442	Deposition of graphene and related nanomaterials by dynamic spray-gun method: a new route to implement nanomaterials in real applications. 2019 , 2, 032002	4

441	Investigation of Equilibrium Droplet Shapes on Chemically Striped Patterned Surfaces Using Phase-Field Method. 2019 , 35, 8500-8516	12
440	Marangoni Flow in Freely Suspended Liquid Films. 2019 , 122, 234501	7
439	Dynamical Clustering and Band Formation of Particles in a Marangoni Vortexing Droplet. 2019 , 35, 8977-8983	3
438	Pinning-Depinning Mechanism of the Contact Line during Evaporation of Nanodroplets on Heated Heterogeneous Surfaces: A Molecular Dynamics Simulation. 2019 , 35, 6356-6366	19
437	Flow of condensed particles around a packing front visualized by drying colloidal suspensions on a tilted substrate. 2019 , 15, 4019-4025	2
436	New Perspective of Mitigating the Coffee-Ring Effect: Interfacial Assembly. 2019 , 123, 12029-12041	26
435	Simultaneous measurements of thin film thickness using total internal reflection fluorescence microscopy and disjoining pressure using Scheludko cell. 2019 , 90, 045118	2
434	Enhancing Printing Resolution on Hydrophobic Polymer Surfaces Using Patterned Coatings of Cellulose Nanocrystals. 2019 , 35, 7155-7160	9
433	Effect of Thermal Conductivity on Enhanced Evaporation of Water Droplets from Heated Graphene-PDMS Composite Surfaces. 2019 , 35, 6916-6921	3
432	Experimental and Theoretical Investigation of Droplet Evaporation on Heated Hydrophilic and Hydrophobic Surfaces. 2019 , 35, 6256-6266	19
431	Transitions between different motion regimes of the three-phase contact line during the pattern deposition of polymer from a volatile solution. 2019 , 548, 145-150	4
430	Monte Carlo simulation of colloidal particles dynamics in a drying drop. 2019 , 1163, 012043	2
429	Drying of Ethanol/Water Droplets Containing Silica Nanoparticles. 2019 , 11, 14275-14285	13
428	Influence of anisotropic nanoparticles on the deposition pattern of an evaporating droplet. 2019 , 42, 17	1
427	Oriented Gold Nanorod Arrays: Self-Assembly and Optoelectronic Applications. 2019 , 131, 12082-12092	8
426	Oriented Gold Nanorod Arrays: Self-Assembly and Optoelectronic Applications. 2019 , 58, 11956-11966	52
425	Effect of Temperature and Wettability of the Substrate with Nanotubes Coating on the Evaporation of Water Droplets. 2019 , 196, 00040	
424	Solvent-Assisted Self-Assembly of Gold Nanorods into Hierarchically Organized Plasmonic Mesostructures. 2019 , 11, 11763-11771	54

423	Giant Water Clusters: Where Are They From?. 2019 , 20,	1
422	Coated and Printed Perovskites for Photovoltaic Applications. 2019 , 31, e1806702	97
421	Stains from Freeze-Dried Drops. 2019 , 35, 5541-5548	3
420	Printing Conductive Nanomaterials for Flexible and Stretchable Electronics: A Review of Materials, Processes, and Applications. 2019 , 4, 1800546	194
419	The morphology of the deposited particles after a wet agglomerate normal surface impact. 2019 , 345, 796-803	4
418	Evaporation of a Droplet: From physics to applications. 2019 , 804, 1-56	125
417	Salt Mediated Self-Assembly of Poly(ethylene glycol)-Functionalized Gold Nanorods. 2019, 9, 20349	12
416	Application of a linear electrodynamic quadrupole trap for production of nanoparticle aggregates from drying microdroplets of colloidal suspension. 2019 , 14, P12007-P12007	3
415	Deposition of Colloidal Particles during the Evaporation of Sessile Drops: Dilute Colloidal Dispersions. 2019 , 2019, 1-12	5
414	Inkjet-printed aligned quantum rod enhancement films for their application in liquid crystal displays. 2019 , 11, 20837-20846	15
413	Inkjet Printing of Magnetic Particles Toward Anisotropic Magnetic Properties. 2019, 9, 16261	8
412	Leveraging the Coffee Ring Effect for a Defect-Free Electroformation of Giant Unilamellar Vesicles. 2019 , 35, 16528-16535	5
411	Retention and infiltration of bacteria on a plant leaf driven by surface water evaporation. 2019 , 31, 112106	9
410	Bio-Memristor Based on Peptide and Peptide Composite with Gold Nanoparticles. 2019 , 224, 03003	2
409	Drop evaporation of hydrocarbon fluids with deposit formation. 2019 , 128, 115-124	5
408	Investigation of Fogging Behavior in a Lyophilized Drug Product. 2019 , 108, 1101-1109	5
407	Surface coatings including fingerprint residues can significantly alter the size and shape of bloodstains. 2019 , 295, 189-198	6
406	An Iterative Solution Approach to Coupled Heat and Mass Transfer in a Steadily Fed Evaporating Water Droplet. 2019 , 141,	6

405	Molecular Dynamics Simulation of Heat Transport through Solid-Liquid Interface during Argon Droplet Evaporation on Heated Substrates. 2019 , 35, 2164-2171	13
404	Optimization of sodium dodecyl sulphate loading in poly(vinyl alcohol)-water coatings. 2019 , 127, 401-407	7
403	Paper-based immunocapture for targeted protein analysis. 2019 , 195, 764-770	5
402	Effect of Simulated Accelerated Atmospheric Environment Conditions on Fatigue Crack Growth Rates. 2019 , 75, 506-512	1
401	Evaporative characteristics of sessile nanofluid droplet on micro-structured heated surface. 2019 , 40, 845-850	4
400	Dynamics of Salt Precipitation on Graphene Oxide Membranes. 2019 , 19, 498-505	5
399	Pattern Formation in Drying Sessile and Pendant Droplet: Interactions of Gravity Settling, Interface Shrinkage, and Capillary Flow. 2019 , 35, 113-119	22
398	On the lifetime of evaporating confined sessile droplets. 2019 , 560, 78-83	7
397	Highly conductive and fine lines of silver nanowires fabricated by evaporative self-assembly. 2019 , 95, 569-574	4
396	To inhibit coffee ring effect in inkjet printing of light-emitting polymer films by decreasing capillary force. 2019 , 30, 135-138	19
395	Evaporation of a sessile water droplet subjected to forced convection in humid environment. 2019 , 37, 129-138	9
394	An analytical model of the growth of invisible bubbles on solid surfaces in a supersaturated solution. 2020 , 215, 114968	8
393	Versatile high-performance inkjet-printed paper photo-actuators based on 2D materials. 2020 , 31, 025708	4
392	Dynamics of particle wetting in wet granulation: Micro-scale analysis. 2020 , 146, 118853	1
391	2D positional mapping of casting condition driven microstructural distribution in organic thin films. 2020 , 59, SCCA06	1
390	Long-Range Order Self-Assembly of Conjugated Block Copolymers at Inclined Air-Liquid Interfaces. 2020 , 12, 5099-5105	4
389	Printable CsPbBr perovskite quantum dot ink for coffee ring-free fluorescent microarrays using inkjet printing. 2020 , 12, 2569-2577	30
388	Levitation mechanism of impacting nanodroplet on heated wall. 2020 , 150, 106203	5

(2020-2020)

387	Experimental investigation of evaporation dynamic of sessile droplets in pure vapor environment with low pressures. 2020 , 149, 106213	10
386	Nanoparticle deposition from nanofluid droplets during Leidenfrost phenomenon and consequent rise in transition temperature. 2020 , 148, 119110	5
385	Effect of liquid phase composition on the experimental determination of binary gas diffusivities in an isothermal Stefan diffusion column. 2020 , 207, 1658-1684	6
384	Simple visualized readout of suppressed coffee ring patterns for rapid and isothermal genetic testing of antibacterial resistance. 2020 , 168, 112566	9
383	Applying droplets and films in evaporative lithography. 2020 , 285, 102271	12
382	A Mechanistic Model for Bacterial Retention and Infiltration on a Leaf Surface during a Sessile Droplet Evaporation. 2020 , 36, 12130-12142	3
381	Interfacial Crystallization within Liquid Marbles. 2020 , 5, 62	5
380	Non-uniformly receding contact line breaks axisymmetric flow patterns. 2020 , 229, 1771-1784	Ο
379	Drying behavior of magnetic nanofluid in ambient conditions. 2020 , 10, 105018	1
378	Characterization of Orodispersible Films: An Overview of Methods and Introduction to a New Disintegration Test Apparatus Using LDR - LED Sensors. 2020 , 109, 2925-2942	11
377	Accelerated Formation of H Nanobubbles from a Surface Nanodroplet Reaction. 2020 , 14, 10944-10953	13
376	Phase-field modeling and computer simulation of the coffee-ring effect. 2020 , 34, 679-692	4
375	Functional Metal Oxide Ink Systems for Drop-on-Demand Printed Thin-Film Transistors. 2020 , 36, 8655-8667	7
374	Stability improvement for dried droplet pretreatment by suppression of coffee ring effect using electrochemical anodized nanoporous tin dioxide substrate. 2020 , 187, 664	5
373	Application of micro-dried droplets for quantitative analysis of particulate inorganic samples with LA-ICP-MS demonstrated on surface-modified nanoparticle TiO catalyst materials. 2020 , 187, 641	4
372	Disk-Ring Deposition in Drying a Sessile Nanofluid Droplet with Enhanced Marangoni Effect and Particle Surface Adsorption. 2020 , 36, 15064-15074	5
371	Droplet Evaporation Dynamics of Low Surface Tension Fluids Using the Steady Method. 2020 , 36, 13860-1387	111
370	Inkjet printing of homogeneous and green cellulose nanofibril dielectrics for high performance IGZO TFTs. 2020 , 8, 12578-12586	4

369	Physicochemical hydrodynamics of droplets out of equilibrium. 2020 , 2, 426-443	54
368	Droplet Deposition Pattern Affected by Different Heating Directions. 2020 , 17, 795-801	1
367	Magnetic suppression of the coffee ring effect. 2020 , 513, 167199	2
366	Taming the Coffee Ring Effect: Enhanced Thermal Control as a Method for Thin-Film Nanopatterning. 2020 , 36, 9562-9570	7
365	Evaporation dynamics of water droplets on superhydrophobic nanograss surfaces. 2020 , 160, 120149	7
364	Evaporation-driven self-assembly in the mixtures of micro and nanoparticles. 2020 , 43, 1	2
363	Uniform, Anticorrosive, and Antiabrasive Coatings on Metallic Surfaces for Cation-Metal and Cation-Interactions. 2020 , 12, 38638-38646	5
362	Controlling the drying-induced peeling of colloidal films. 2020 , 16, 8345-8351	1
361	Exploration of Direct-Ink-Write 3D Printing in Space: Droplet Dynamics and Patterns Formation in Microgravity. 2020 , 32, 935-940	8
360	A theoretical framework for comprehensive modeling of steadily fed evaporating droplets and the validity of common assumptions. 2020 , 158, 106529	6
359	Soft lithography with liquid marbles. 2020 , 607, 125488	1
358	Deposit patterns of silver nanowire solution with the solvent consisting of ethylene glycol and glycerol: Formation of triple conductive lines. 2020 , 115, 266-271	1
357	Plasma-Enabled Amorphous TiO Nanotubes as Hydrophobic Support for Molecular Sensing by SERS. 2020 , 12, 50721-50733	20
356	Experimental investigation of nanoparticles distribution mechanisms and deposition patterns during nanofluid droplet evaporation. 2020 , 92, 11101	2
355	Development of Spray-Coated Perovskite Solar Cells. 2020 , 12, 48237-48245	41
354	Suppressing internal convection of a droplet using confinement during protein crystallization. 2020 , 128, 084701	4
353	Investigation on the droplet evaporation process on local heated substrates with different wettability. 2020 , 1	2
352	Toward Controlling Evaporative Deposition: Effects of Substrate, Solvent, and Solute. 2020 , 124, 11530-115	391

351	Ring patterns generated by an expanding colloidal meniscus. <i>Physical Review E</i> , 2020 , 102, 052608 2.4	3
350	A Quartz Crystal Microbalance, Which Tracks Four Overtones in Parallel with a Time Resolution of 10 Milliseconds: Application to Inkjet Printing. 2020 , 20,	4
349	The Effect of the Anisotropic Nanoparticles Nature on the Properties of Ring Deposits Resulting from Evaporation of Droplets of Their Dispersions. 2020 , 82, 100-107	
348	Theoretical Analysis of a Sessile Evaporating Droplet on a Curved Substrate with an Interfacial Cooling Effect. 2020 , 36, 5618-5625	12
347	Soluto-thermo-hydrodynamics influenced evaporation kinetics of saline sessile droplets. 2020 , 83, 130-140	13
346	Printing and Assembly of CdSe/CdS Nanoplatelets as Uniform Films with Unity In-Plane Transition Dipole Moment. 2020 , 11, 4524-4529	11
345	Suppressing the Ring Stain Effect with Superhydrophilic/Superhydrophobic Patterned Surfaces. 2020 , 5, 11235-11240	2
344	Understanding of the role of dilution on evaporative deposition patterns of blood droplets over hydrophilic and hydrophobic substrates. 2020 , 579, 541-550	12
343	Field driven evaporation kinetics of a sessile ferrofluid droplet on a soft substrate. 2020 , 16, 6619-6632	15
342	Modeling of the finite boundary limit of evaporation flux in the contact line region using the surface plasmon resonance imaging. 2020 , 116, 104598	5
341	Self-pinning of silica suspension droplets on hydrophobic surfaces. 2020 , 579, 212-220	5
340	Molecular Dynamics Study of Binary Nanodroplet Evaporation on a Heated Homogeneous Substrate. 2020 , 36, 3439-3451	2
339	Various crust morphologies of colloidal droplets dried on a super-hydrophobic surface. 2020 , 98, 1055-1059	1
338	On the inactivation of Bacillus subtilis spores by surface streamer discharge in humid air caused by reactive species. 2020 , 53, 245203	3
337	Characterization of the solvent specific evaporation from a fluoropolymer surface roughened by layered double oxide (LDO) particles. 2020 , 305, 112826	1
336	From Equilibrium Liquid Crystal Formation and Kinetic Arrest to Photonic Bandgap Films Using Suspensions of Cellulose Nanocrystals. 2020 , 10, 199	44
335	Composite Thin Films Formed via the Mobile Meniscus Method from Nanodispersed Silver Particles. Structure and Conductivity. 2020 , 11, 38-43	
334	Hydrodynamic Pattern in Drying Saline Droplet with Suspended Nanoparticles. 2020 , 17, 802-808	5

333	Air bubble-triggered suppression of the coffee-ring effect. 2020 , 37, 100284	3
332	A fully coupled numerical model for deposit formation from evaporating urea-water drops. 2020 , 159, 120069	6
331	Evaporation of Initially Heated Sessile Droplets and the Resultant Dried Colloidal Deposits on Substrates Held at Ambient Temperature. 2020 , 36, 8407-8421	13
330	Formation of Deposition Patterns Induced by the Evaporation of the Restricted Liquid. 2020 , 36, 8520-8526	6
329	Investigation of the effect of a vertical orientation coating of carbon nanotubes on the evaporation of water droplets. 2020 ,	
328	The evaporation of surfactant-laden droplets: A comparison between contact line models. 2020 , 579, 888-897	8
327	Investigating the Effect of Antibody-Antigen Reactions on the Internal Convection in a Sessile Droplet via Microparticle Image Velocimetry and DLVO Analysis. 2020 , 36, 8826-8838	3
326	Sodium valproate (VPA) interactions with DNA and histones. 2020 , 163, 219-231	8
325	3D Nanoparticle Tracking Inside the Silver Nanofluid. 2020 , 10,	1
324	Machine Learning Analysis for Quantitative Discrimination of Dried Blood Droplets. 2020 , 10, 3313	14
324	Machine Learning Analysis for Quantitative Discrimination of Dried Blood Droplets. 2020 , 10, 3313 Three-Dimensional Reconstruction of Evaporation-Induced Instabilities Using Volumetric Scanning Particle Image Velocimetry. 2020 , 1, 52-70	14
	Three-Dimensional Reconstruction of Evaporation-Induced Instabilities Using Volumetric Scanning	
323	Three-Dimensional Reconstruction of Evaporation-Induced Instabilities Using Volumetric Scanning Particle Image Velocimetry. 2020 , 1, 52-70 Evaporation dynamics of pure and binary mixture drops on dry and lubricant coated slippery	1
323 322	Three-Dimensional Reconstruction of Evaporation-Induced Instabilities Using Volumetric Scanning Particle Image Velocimetry. 2020 , 1, 52-70 Evaporation dynamics of pure and binary mixture drops on dry and lubricant coated slippery surfaces. 2020 , 569, 244-253	9
323 322 321	Three-Dimensional Reconstruction of Evaporation-Induced Instabilities Using Volumetric Scanning Particle Image Velocimetry. 2020 , 1, 52-70 Evaporation dynamics of pure and binary mixture drops on dry and lubricant coated slippery surfaces. 2020 , 569, 244-253 Tuning Contact Line Dynamics and Deposition Patterns in Volatile Liquid Mixtures. 2020 , 124, 064502 The effect of two layers of graphene with a striped pattern on wettability parameters of the	1 9 12
323 322 321 320	Three-Dimensional Reconstruction of Evaporation-Induced Instabilities Using Volumetric Scanning Particle Image Velocimetry. 2020, 1, 52-70 Evaporation dynamics of pure and binary mixture drops on dry and lubricant coated slippery surfaces. 2020, 569, 244-253 Tuning Contact Line Dynamics and Deposition Patterns in Volatile Liquid Mixtures. 2020, 124, 064502 The effect of two layers of graphene with a striped pattern on wettability parameters of the biodroplets. 2020, 26, 407-427 Inkjet Printing Controllable Polydopamine Nanoparticle Line Array for Transparent and Flexible	1 9 12 2
323 322 321 320 319	Three-Dimensional Reconstruction of Evaporation-Induced Instabilities Using Volumetric Scanning Particle Image Velocimetry. 2020, 1, 52-70 Evaporation dynamics of pure and binary mixture drops on dry and lubricant coated slippery surfaces. 2020, 569, 244-253 Tuning Contact Line Dynamics and Deposition Patterns in Volatile Liquid Mixtures. 2020, 124, 064502 The effect of two layers of graphene with a striped pattern on wettability parameters of the biodroplets. 2020, 26, 407-427 Inkjet Printing Controllable Polydopamine Nanoparticle Line Array for Transparent and Flexible Touch-Sensing Application. 2020, 22, 1901351 Radial alignment of microtubules through tubulin polymerization in an evaporating droplet. 2020,	1 9 12 2

Modulation of Central Depletion Zone in Evaporated Sessile Drops via Substrate Heating. **2020**, 36, 4737-4744 6

314	Marangoni circulation in evaporating droplets in the presence of soluble surfactants. 2021 , 584, 622-633	11
313	Preserving the Female Genome in Trehalose Glass at Supra-Zero Temperatures: The Relationship Between Moisture Content and DNA Damage in Feline Germinal Vesicles. 2021 , 14, 101-112	3
312	Influence of PLGA nanoparticles on the deposition of model water-soluble biocompatible polymers by dip coating. 2021 , 608, 125591	5
311	Atto-Molar Raman detection on patterned superhydrophilic-superhydrophobic platform via localizable evaporation enrichment. 2021 , 326, 128826	12
310	Patterning of colloidal droplet deposits on soft materials. 2021 , 907,	3
309	Evaporation-driven 3D CNT scaffolding for composite reinforcement. 2021 , 173, 705-714	2
308	Spreading and retraction dynamics of sessile evaporating droplets comprising volatile binary mixtures. 2021 , 907,	7
307	Toward all aerosol printing of high-efficiency organic solar cells using environmentally friendly solvents in ambient air. 2021 , 9, 17198-17210	9
306	Evaporation-driven nanoparticles motion and deposition on a textured surface in the inkjet process. 2021 , 15, 644-655	1
305	Interfacial assembly of nanorods: smectic alignment and multilayer stacking. 2021, 13, 14236-14244	2
304	Fabrication of strong magnetic micron-sized supraparticles with anisotropic magnetic properties for magnetorheology. 2021 , 17, 3733-3744	1
303	Emergence of Many Mini-Circles from a Coffee Suspension with Mechanical Rotation. 2021, 3, 8-16	
302	Controlling uniform patterns by evaporation of multi-component liquid droplets in a confined geometry. 2021 , 17, 3578-3585	5
301	Droplet evaporation-induced analyte concentration toward sensitive biosensing. 2021, 5, 5639-5652	7
300	Crack morphologies in drying suspension drops. 2021 , 17, 8832-8837	2
299	Cupric Oxide Coating That Rapidly Reduces Infection by SARS-CoV-2 via Solids. 2021 , 13, 5919-5928	37
298	Patterns from drops drying on inclined substrates. 2021 , 17, 7670-7681	3

297	A Review on the Evaporation Dynamics of Sessile Drops of Binary Mixtures: Challenges and Opportunities. 2021 , 17, 253-284	6
296	Deposition pattern of drying droplets. 2021 , 73, 047601	6
295	Vibrational Spectroscopic Investigation of Blood Plasma and Serum by Drop Coating Deposition for Clinical Application. 2021 , 22,	1
294	Enabling the Selective Detection of Endocrine-Disrupting Chemicals via Molecularly Surface-Imprinted "Coffee Rings". 2021 , 22, 1523-1531	2
293	Effect of Particle Concentration on Surfactant-Induced Alteration of the Contact Line Deposition in Evaporating Sessile Droplets. 2021 , 37, 2658-2666	7
292	Analysis of Circulation Reversal and Particle Transport in Evaporating Drops. 2021 , 33, 1	2
291	Evaporation of Sessile Droplets of Polyelectrolyte/Surfactant Mixtures on Silicon Wafers. 2021 , 5, 12	4
2 90	Modeling Unsteady Bfiard-Marangoni Instabilities in Drying Volatile Droplets on a Heated Substrate. 2021 , 132, 302-312	O
289	Pattern formation of dried droplets of milk during different processes and classifying them using artificial neural networks. 1-10	1
288	Gas-Phase Temperature Mapping of Evaporating Microdroplets. 2021 , 13, 15925-15938	6
287	Synergy between the crack pattern and substrate elasticity in colloidal deposits. <i>Physical Review E</i> , 2021 , 103, 032602	1
286	Ambient Inkjet-Printed High-Efficiency Perovskite Solar Cells: Manipulating the Spreading and Crystallization Behaviors of Picoliter Perovskite Droplets. 2021 , 5, 2100106	12
285	Competing Marangoni and Rayleigh convection in evaporating binary droplets. 2021, 914,	13
284	Insights into the Ni/C-Based Thin-Film Catalyst Layer Design for Urea Oxidation Reaction in a Three-Electrode System. 2021 , 4, 4224-4233	5
283	Solid[liquid Interface Temperature Measurement of Evaporating Droplet Using Thermoresponsive Polymer Aqueous Solution. 2021 , 11, 3379	2
282	Study of the evaporation kinetics of pure and binary droplets: volatility effect. 2021 , 57, 1773	2
281	Spray Deposition of Supercapacitor Electrodes using Environmentally Friendly Aqueous Activated Graphene and Activated Carbon Dispersions for Industrial Implementation. 2021 , 8, 1349-1361	1
280	A method to measure vapor concentration of droplet evaporation based on background oriented Schlieren. 2021 , 168, 120880	4

279	Crystal critters: Self-ejection of crystals from heated, superhydrophobic surfaces. 2021 , 7,	6
278	The transients in the evaporation of sessile liquid droplets and the applicability of the steady-state approximation. 2021 , 169, 120946	O
277	Further Insights into Patterns from Drying Particle Laden Sessile Drops. 2021 , 37, 4395-4402	2
276	Suppression of the coffee-ring effect by tailoring the viscosity of pharmaceutical sessile drops. 2021 , 614, 126144	3
275	A Review of Sintering-Bonding Technology Using Ag Nanoparticles for Electronic Packaging. 2021 , 11,	9
274	Hybrid Amyloid-Based Redox Hydrogel for Bioelectrocatalytic H Oxidation. 2021 , 60, 14488-14497	
273	Fabricating and printing chemiresistors based on monolayer-capped metal nanoparticles. 2021 , 16, 2968-2990) 1
272	Evaporation Dynamics of a Sessile Droplet of Binary Mixture Laden with Nanoparticles. 2021 , 37, 6311-6321	6
271	Hybrid Amyloid-Based Redox Hydrogel for Bioelectrocatalytic H2 Oxidation. 2021 , 133, 14609-14618	1
270	Imaging of Metal Ions and Nanoparticles on Structured Silicon Surface Using Laser Ablation-Inductively Coupled Plasma-Mass Spectrometer for Contamination Control in Semiconductor Manufacturing Process. 2021 , 34, 140-144	1
269	Tunable thickness and uniform drop deposition of graphene oxide on porous anodic aluminum oxide and a reliable thickness measurement technique. 2021 , 9, 025026	3
268	Buoyancy-driven convection of droplets on hot nonwetting surfaces. <i>Physical Review E</i> , 2021 , 103, 0531054	Ο
267	Oscillatory Reversible Osmotic Growth of Sessile Saline Droplets on a Floating Polydimethylsiloxane Membrane. 2021 , 6, 232	1
266	The nascent coffee ring: how solute diffusion counters advection. 2021 , 920,	1
265	Adsorption of nanoparticles suspended in a drop on a leaf surface of Perilla frutescens and their infiltration through stomatal pathway. 2021 , 11, 11556	4
264	Predicting coffee ring formation upon drying in droplets of particle suspensions. 2021 , 591, 52-57	4
263	Texture Analysis of Dried Droplets for the Quality Control of Medicines. 2021 , 21,	О
262	Evaporating droplets on inclined plant leaves and synthetic surfaces: Experiments and mathematical models. 2021 , 592, 329-341	9

261	Contact-line deposits from multiple evaporating droplets. 2021 , 6,	2
260	In silico investigation of the evaporation flux distribution along sessile droplet surfaces during convective drying. 2021 , 238, 116590	6
259	Review article: Microscale evaporative cooling technologies for high heat flux microelectronics devices: Background and recent advances. 2021 , 194, 117109	10
258	Skin layer stratification in drying droplets of dairy colloids. 2021 , 620, 126560	2
257	Effects of substrate temperature on patterns produced by dried droplets of proteins. 2021, 203, 111763	4
256	Droplet tilings for rapid exploration of spatially constrained many-body systems. 2021 , 118,	O
255	Substrate concavity influenced evaporation mechanisms of sessile droplets. 2021 , 33, 082003	6
254	Manipulating the three-phase contact line of an evaporating particle-laden droplet to get desirable microstructures: A lattice Boltzmann study. 2021 , 33, 083304	2
253	Toward a Scalable Fabrication of Perovskite Solar Cells under Fully Ambient Air Atmosphere: From Spin-Coating to Inkjet-Printing of Perovskite Absorbent Layer. 2021 , 10, 1904	4
252	Droplet evaporation on inclined substrates. 2021 , 6,	6
251	An opinion on the multiscale nature of Covid-19 type disease spread. 2021 , 54, 101462	3
250	Heat Flux Density Evaluation in the Region of Contact Line of Drop on a Sapphire Surface Using Infrared Thermography Measurements. 2021 , 33, 1	5
249	Modulation of evaporation-affected crystal motion in a drying droplet by saline and surfactant concentrations. 2021 , 623, 126701	2
248	Effect of the solvent evaporation rate of silver ink on the electrohydrodynamic-printing formability of textile-based printing electronics. 004051752110441	
247	Numerical simulation of particle deposition patterns in evaporating droplets. 2021, 31, 105007	1
246	Structure and Dynamics of Aqueous Dispersions.	
245	Numerical model using a Volume-Of-Fluid method for the study of evaporating sessile droplets in both unpinned and pinned modes. 2021 , 89, 267-273	0
244	Cuticular Hydrocarbon Trails Released by Host Larvae Lose their Kairomonal Activity for Parasitoids by Solidification. 2021 , 47, 998-1013	Ο

243	Evaporation and deposition of inclined colloidal droplets. 2021 , 11, 17784	2
242	In-depth investigation of incremental layer build-up from dried deposited droplets. e17445	O
241	Strip formation mechanisms and characteristics models in 3D printing of viscous polymer inks. 2021 , 69, 331-339	О
240	Interfacial crystallization at the intersection of thermodynamic and geometry. 2021 , 296, 102510	3
239	Selective evaporation rate modeling of volatile binary mixture droplets. 2021 , 178, 121584	3
238	Evaporation induced self-assembly of rough colloids: A multiscale simulation study. 2021 , 179, 121681	O
237	Numerical coffee-ring patterns with new interfacial schemes in 3D hybrid LB-LE model. 2021 , 392, 130-140	
236	Controllable dried patterns of colloidal drops. 2022 , 606, 758-767	3
235	Ring droplet formation during evaporation of a sessile water droplet on a biphilic surface. 2022 , 182, 121956	О
234	Levitation and Self-Organization of Droplets. 2021 , 53, 203-225	16
234	Levitation and Self-Organization of Droplets. 2021, 53, 203-225 Inkjet-printed alloy-like cross-linked hole-transport layer for high-performance solution-processed green phosphorescent OLEDs. 2021, 9, 12712-12719	16
	Inkjet-printed alloy-like cross-linked hole-transport layer for high-performance solution-processed	
233	Inkjet-printed alloy-like cross-linked hole-transport layer for high-performance solution-processed green phosphorescent OLEDs. 2021 , 9, 12712-12719 Fluid flow structures in an evaporating sessile droplet depending on the droplet size and	
233	Inkjet-printed alloy-like cross-linked hole-transport layer for high-performance solution-processed green phosphorescent OLEDs. 2021 , 9, 12712-12719 Fluid flow structures in an evaporating sessile droplet depending on the droplet size and properties of liquid and substrate. 2021 , 1730, 012029	2
233 232 231	Inkjet-printed alloy-like cross-linked hole-transport layer for high-performance solution-processed green phosphorescent OLEDs. 2021, 9, 12712-12719 Fluid flow structures in an evaporating sessile droplet depending on the droplet size and properties of liquid and substrate. 2021, 1730, 012029 Controllable patterning of nanoparticles via solution transfer processes. 2021, 5, 5247-5256 Thin-Film Thermophoresis in Photoninc Band Gap Fibers for Sub-nanoMolar Raman Sensing	2
233 232 231 230	Inkjet-printed alloy-like cross-linked hole-transport layer for high-performance solution-processed green phosphorescent OLEDs. 2021, 9, 12712-12719 Fluid flow structures in an evaporating sessile droplet depending on the droplet size and properties of liquid and substrate. 2021, 1730, 012029 Controllable patterning of nanoparticles via solution transfer processes. 2021, 5, 5247-5256 Thin-Film Thermophoresis in Photoninc Band Gap Fibers for Sub-nanoMolar Raman Sensing Sensitivity. 2021, Features of the crystallization of multicomponent solutions: a dipeptide, its salt and potassium	2
233 232 231 230 229	Inkjet-printed alloy-like cross-linked hole-transport layer for high-performance solution-processed green phosphorescent OLEDs. 2021, 9, 12712-12719 Fluid flow structures in an evaporating sessile droplet depending on the droplet size and properties of liquid and substrate. 2021, 1730, 012029 Controllable patterning of nanoparticles via solution transfer processes. 2021, 5, 5247-5256 Thin-Film Thermophoresis in Photoninc Band Gap Fibers for Sub-nanoMolar Raman Sensing Sensitivity. 2021, Features of the crystallization of multicomponent solutions: a dipeptide, its salt and potassium carbonate. 2021, 23, 6427-6441 Using airflow-driven, evaporative gradients to improve sensitivity and fluid control in colorimetric	3

225	Drying of Inkjet-Printed Droplets. 97-110	3
224	Directing Convection to Pattern Thin Polymer Films: Coffee Rings. 2015, 43-71	1
223	The Effect of the Thermal Conductivity of the Substrate on Droplet Evaporation. 2008, 779-783	4
222	Evaporation of Pinned Sessile Microdroplets of Water: Computer Simulations. 2012 , 79-84	1
221	Piezoelectric Inkjet Printing of Cells and Biomaterials. 2010 , 35-50	2
220	The deposition of colloidal particles from a sessile drop of a volatile suspension subject to particle adsorption and coagulation. 2018 , 509, 195-208	24
219	Marangoni flow-induced self-assembly of hexagonal and stripelike nanoparticle patterns. 2008 , 130, 6076-7	112
218	Chapter 17:Bio-mimetic Structural Colour using Biopolymers. 2016 , 555-585	3
217	On the lifetimes of evaporating droplets with related initial and receding contact angles. 2015 , 27, 122101	71
216	Particle size and substrate wettability dependent patterns in dried pendant drops. 2021 , 33, 024003	1
215	The drying of liquid droplets. 2020 , 29, 096803	3
214	Joint effect of advection, diffusion, and capillary attraction on the spatial structure of particle depositions from evaporating droplets. <i>Physical Review E</i> , 2019 , 100, 033304	8
213	Evaporation of liquid droplets on solid substrates. I. Flat substrate with pinned or moving contact line. 2017 , 2,	11
212	Natural convection above circular disks of evaporating liquids. 2017, 2,	15
211	Investigation of the phenomena occurring near the liquid \square apor interface during evaporation of water at low pressures. 2018 , 3,	5
210	Imbibition and evaporation of droplets of colloidal suspensions on permeable substrates. 2019 , 4,	15
209	Solutal Marangoni flow as the cause of ring stains from drying salty colloidal drops. 2019, 4,	31
208	Morphogenesis of polycrystalline dendritic patterns from evaporation of a reactive nanofluid sessile drop. 2018 , 2,	6

207	Droplet Evaporation of CuAl2O3 Hybrid Nanofluid Over Its Residue and Copper Surfaces: Toward Developing a New Analytical Model. 2021 , 143,	2
206	Measuring Vapour Cloud Concentrations with Digital Holography. 2012,	2
205	Evaporation kinetics of surfactant solution droplets on rice (Oryza sativa) leaves. 2017, 12, e0176870	8
204	Nonlithographic patterning: application of inkjet printing in organic-based devices. 2005 , 349-372	1
203	Characteristics for Nanofluid Droplet Evaporation on Heated Surface at Boiling Temperature of Base Liquid. 2015 , 20, 236-240	1
202	Mechanisms and models of the dehydration self-organization in biological fluids. 2004, 174, 779	27
201	3D printing methods for micro- and nanostructures. 2019 , 189, 55-71	5
200	Drying Drop Technology as a Possible Tool for Detection Leukemia and Tuberculosis in Cattle. 2015 , 08, 1-23	22
199	Protein phase instability developed in plasma of sick patients: clinical observations and model experiments. 2010 , 02, 220-227	4
198	STEFAN AKI I NIN DAMLACIK BUHARLA M A MODELLERI I ZERINDEKIETKISI 309-318	3
197	Ring and Volcano Structures Formed by a Metal Dipyrromethene Complex. 2014 , 35, 1727-1731	1
196	Fabrication of Lead Zirconate Titanate Films by Inkjet Printing. 2012 , 51, 09LA11	6
195	From coffee stains to uniform deposits: Significance of the contact-line mobility. 2021, 608, 1718-1727	1
194	Polymer-Assisted Space-Confined Strategy for the Foot-Scale Synthesis of Flexible Metal-Organic Framework-Based Composite Films. 2021 , 143, 17526-17534	3
193	Evaporation-Based Low-Cost Method for the Detection of Adulterant in Milk. 2021, 6, 27200-27207	0
192	Interferometric measurement of co-operative evaporation in 2D droplet arrays. 2021 , 119, 151601	3
191	Binder Jet 3D Printing of Compound LEV-PN Dispersible Tablets: An Innovative Approach for Fabricating Drug Systems with Multicompartmental Structures. 2021 , 13,	1
190	Competing thermal and solutal advection decelerates droplet evaporation on heated surfaces. 2022 , 91, 129-140	5

189	Manipulating Nano-suspension Droplet Evaporation by Particle Surface Modification. 2021, 37, 12234-12241	1
188	Spatiotemporal evaporating droplet dynamics on fomites enhances long term bacterial pathogenesis. 2021 , 4, 1173	2
187	Desiccated cat spermatozoa retain DNA integrity and developmental potential after prolonged storage and shipping at non-cryogenic temperatures. 2021 , 1	4
186	Application of the Flash DSC 1 and 2+ for vapor pressure determination above solids and liquids. 2021 , 706, 179067	1
185	Viscous Drops Spreading With Evaporation And Applications To DNA Biochips. 2006 , 320-324	
184	A Study on Particle Deposition of an Evaporating Colloidal Droplet. 2006 , 30, 663-670	
183	The Effect of Microdroplet Shape on the Evaporation. 2007 , 31, 558-565	
182	Self-Assembled Nanoparticle Rings. 2008, 67-87	
181	Nanoparticle Arrays. 2008 , 2856-2867	
180	Transport Phenomena during Formation Process of Thin Polymer Films Using Inkjet Method. 2009 , 46, 356-363	
179	Hierarchical 3D Nanostructure Organization for Next-Generation Devices. 2011 , 205-248	1
178	Fluids. 2011 , 83-105	
177	SERS Active Three-Dimensional Nanostructure toward Optofluidic Devices. 2012 , 40, 931	0
176	Conclusions and Outlook. 2012 , 117-126	
175	Comparing of a quasisteady and nonsteady mathematical models of fluid flow in evaporating drop. 2012 , 4, 811-825	1
174	Role of Meniscus Shape in Large-Area Convective Particle Assembly. 2013 , 23-50	
173	Dynamics of a Complete Wetting Liquid Under Evaporation. 2013 , 275-283	
172	Plasmonics and Super-Hydrophobicity: A New Class of Nano-Bio-Devices. 2013 , 501-524	

171	Ring deposition of drying suspension droplets. 2013 , 62, 196102	5
170	Crystallization Mechanisms in Convective Particle Assembly. 2013 , 51-73	
169	Molecular Combing of DNA and Carbon Nanotubes by a Moving Meniscus. 2013,	
168	Encyclopedia of Microfluidics and Nanofluidics. 2014 , 1-8	
167	Flat Panel Organic Light-Emitting Diode (OLED) Displays: A Case Study. 237-253	1
166	CHAPTER 7:Mechanical Instabilities Induced by the Drying of Complex Liquids. 2015 , 247-279	
165	Modelling of Evolution of Redistribution of Colloidal Particles and Shape of the Film Drying Under the Disk. 2015 , 8, 46-52	
164	Observation of colloidal particle deposition during the confined droplet evaporation process. 2015 , 64, 096101	1
163	Evaporative Heat Transfer Characteristics of Droplet on Oxi-nitriding Surface. 2016 , 21, 53-57	
162	Tomographic PIV measurement of internal complex flow of an evaporating droplet with non-uniformly receding contact lines. 2016 , 14, 31-39	O
161	Drying of droplets of aqueous suspensions of multiwalled carbon nanotubes in the presence of cationic surfactant CTAB. 2017 , 8, 333-345	
160	Active Matter Alters the Growth Dynamics of Coffee Rings. 2018,	
159	րր թը քրընդրանի թատրարա2 018, 22, 344-363	
158	Evaporation Dynamics of a Sessile Droplet on a Hydrophobic Surface. 2020 , 395-410	
157	Effect of InGaZnO Solution Concentration on the Electrical Properties of Drop-Cast Oxide Thin-Film Transistors. 2020 , 29, 332-335	
156	Gravity effect of silica and polystyrene particles on deposition pattern control and particle size distribution on hydrophobic surfaces. 2021 ,	1
155	Evaporation Effect on the Contact Angle and Contact Line Dynamics. 2022, 133-187	Ο
154	Role of pH and substrate on drying patterns of Laponite droplet. 2021 , 96, 125021	

153	Non-axis-Symmetric Transport Characteristics of an Evaporating Water Droplet Sessile on Heated Horizontal Superhydrophobic Substrates. 2020 , 142,	Ο
152	Effects of O2 Plasma Treatments on the Photolithographic Patterning of PEDOT:PSS. 2021 , 11, 31	1
151	Homogeneous chemical state of self-doped polyaniline sub-micrometer thickness lines fabricated by fountain-pen lithography. 2021 , 60, 015002	1
150	Methodologies Involved in Manufacturing Self-Assembled Breath-Figures Patterns: Drop-Casting and Spin- and Dip-Coating Characterization of Microporous Surfaces. 2020 , 111-148	1
149	Breath-Figures Formation: Physical Aspects. 2020 , 13-49	
148	Spectral and structural features of bio-composite films of graphene oxide and molybdenum disulphide with molecules of 5-bromouracyl and 5-bromo-2Hdeoxyuridine. 2020 ,	
147	Simultaneous liquid flow and drying on rotating cylinders. 2020 , 5,	1
146	Pixelated Microsized Quantum Dot Arrays Using Surface-Tension-Induced Flow. 2021 , 13, 51718-51725	
145	Spatiotemporal evolution of evaporating liquid films sheared by a gas. 2021 , 6,	
144	Two- and Three-Dimensional Modelling of Heating and Evaporation Under Steady Conditions. 2021 , 297-328	
143	Effects of the Thickness of Boundary Layer on Droplet’s Evaporation Rate. 2020 , 64, 50402-50402	1
142	Effect of Reductant (Chitosan) Molecular Mass on the Synthesis of Silver Nanoparticle Dispersions and the Properties of Ring Deposits Resulting from Evaporation of Droplets of These Dispersions. 2020 , 82, 641-648	
141	Morphology Evolution of a Volatile Liquid Lens on Another Immiscible Liquid Surface Induced by Evaporation. 2021 , 37, 14081-14088	1
140	The internal flow in an evaporating human blood plasma drop. 2021 , 609, 170-178	2
139	Spatially Ordered Arrays of Colloidal Inorganic Metal Halide Perovskite Nanocrystals via Controlled Droplet Evaporation in a Confined Geometry. 2021 , 14,	0
138	Aggregation patterns of copper sulphate salt via droplet drying: mediation by surface hydrophobicity and salt concentration. 2021 , 44, 135	
137	Controlling Droplet Marangoni Flows to Improve Microscopy-Based TB Diagnosis. 2021 , 11,	0
136	Organic Photovoltaics Printed via Sheet Electrospray Enabled by Quadrupole Electrodes. 2021 , 13, 56375-563	8 4

135	Evaporation-Induced Crystal Nucleation and Morphology of Dried Poly(Vinylidene Fluoride) Droplets. 2021 , 11, 1442	О
134	Patterned macro-/microstructures based on colloidal droplets evaporation. 2021,	
133	Effects of roughness and size ratio on alumina fluid deposition patterns. 2021, 321, 01016	
132	Analyzing interfacial transport for water evaporating into dry nitrogen. 2022 , 202, 117910	O
131	Time-evolving dry patches in a flowing film around a horizontal tube. 2022 , 174, 107451	
130	A metallosupramolecular polymer deposited via inkjet printing for fast-switching pixelated electrochromic devices.	
129	Label-Free Spontaneous Raman Sensing in Photonic Crystal Fibers with Nanomolar Sensitivity. 2101117	1
128	Mechanistic models for liquid binder evaporation in wet granulation.	
127	Dip-Coating Self-Assembly Fabrication and Polarization Sensitive Photoresponse of Aligned Single-Walled Carbon Nanotube Film 2022 , 22,	
126	Patterning Assembly of Colloidal Particles. 2022 , 305-329	
125	Design of water-based polyvinyl alcohol coatings using a drying modifier to minimize the residual solvent and coating defects. 2022 , 31, 441	2
125		2 O
	solvent and coating defects. 2022 , 31, 441	
124	solvent and coating defects. 2022, 31, 441 Evaporation of Water Nanodroplets on Heated Surfaces: Does Nano Matter?. 2022, Hybrid Nanofluids-Next-Generation Fluids for Spray-Cooling-Based Thermal Management of	O
124	Evaporation of Water Nanodroplets on Heated Surfaces: Does Nano Matter?. 2022, Hybrid Nanofluids-Next-Generation Fluids for Spray-Cooling-Based Thermal Management of High-Heat-Flux Devices 2022, 12, Droplet Evaporation on Hot Micro-Structured Superhydrophobic Surfaces: Analysis of Evaporation	0
124	Evaporation of Water Nanodroplets on Heated Surfaces: Does Nano Matter?. 2022, Hybrid Nanofluids-Next-Generation Fluids for Spray-Cooling-Based Thermal Management of High-Heat-Flux Devices 2022, 12, Droplet Evaporation on Hot Micro-Structured Superhydrophobic Surfaces: Analysis of Evaporation from Droplet Cap and Base Surfaces. 2022, 185, 122314	0 0
124 123 122	Evaporation of Water Nanodroplets on Heated Surfaces: Does Nano Matter?. 2022, Hybrid Nanofluids-Next-Generation Fluids for Spray-Cooling-Based Thermal Management of High-Heat-Flux Devices 2022, 12, Droplet Evaporation on Hot Micro-Structured Superhydrophobic Surfaces: Analysis of Evaporation from Droplet Cap and Base Surfaces. 2022, 185, 122314 Evaporation-induced convective transport in confined saline droplets. 2022, 639, 128256	0 0

117	Evaluation of the evaporation route of a liquid droplet on Au coated and non-coated glass surfaces. 2022 ,	
116	An experimental and theoretical study of the inward particle drift in contact line deposits 2022,	
115	Internal flow in evaporating water drops: dominance of Marangoni flow. 2022, 63, 1	1
114	Phase Diagram of Dairy Protein Mixes Obtained by Single Droplet Drying Experiments 2022, 11,	O
113	Circadian humidity fluctuation induced capillary flow for sustainable mobile energy 2022, 13, 1291	1
112	Capillary flow of evaporating liquid solutions in open rectangular microchannels. 2022, 938,	O
111	Marangoni flow and surfactant transport in evaporating sessile droplets: A lattice Boltzmann study. 2022 , 34, 032115	3
110	Mixtures of Silver Nanowires and Nanocellulose Nanowires for Green Chemistry Quasi-1D Transparent Electrodes. 2100606	
109	Protein Repellent, Surface-Attached Hydrogels Through Spray Coating. 2102359	
108	Evaporative capillary rise. 2022 , 7,	
107	Influence of fluid flows on electric double layers in evaporating colloidal sessile droplets 2022, 45, 24	
106	Dynamics of a drop floating in vapor of the same fluid. 2022 , 34, 042104	2
105	An Experimental Investigation of Evaporation of Ethanol-Water Droplets Laden with Alumina	
	Nanoparticles on a Critically Inclined Heated Substrate 2022 ,	3
104		3 0
104	Nanoparticles on a Critically Inclined Heated Substrate 2022,	
	Nanoparticles on a Critically Inclined Heated Substrate 2022 , Influence of added dye on Marangoni-driven droplet instability. 2022 , 7,	O
103	Nanoparticles on a Critically Inclined Heated Substrate 2022, Influence of added dye on Marangoni-driven droplet instability. 2022, 7, Wetting and evaporation of multicomponent droplets. 2022, 960, 1-37 Evaporation-induced crystal self-assembly (EICSA) of salt drops regulated by trace of	o 4
103	Nanoparticles on a Critically Inclined Heated Substrate 2022, Influence of added dye on Marangoni-driven droplet instability. 2022, 7, Wetting and evaporation of multicomponent droplets. 2022, 960, 1-37 Evaporation-induced crystal self-assembly (EICSA) of salt drops regulated by trace of polyacrylamide. 2022, 644, 128856 On-demand evaporation mode of sessile droplet by designing substrate surface wettability	o 4 2

99	Evaporation Dynamics of Surfactant-Laden Droplets on a Superhydrophobic Surface: Influence of Surfactant Concentration 2021 ,		3
98	Dried Blood Patterns for Diagnosis of Non-Communicable and Infectious Diseases. 2022 , 299-316		
97	Ultrasonic investigation of the evaporation dynamics of subnanoliter droplets. 2021 , 130, 224702		
96	Two-Dimensional Cellular Patterning on a Polymer Film Based on Interfacial Stiffness 2021 , 37, 14911-149	919	1
95	Evaporation Dynamics of Sessile Droplets: The Intricate Coupling of Capillary, Evaporation, and Marangoni Flow 2022 ,		O
94	The nascent coffee ring with arbitrary droplet contact set: an asymptotic analysis. 2022, 940,		O
93	Lens Evaporation on Immiscible Liquid Surface with an Interfacial Cooling Effect 2022, 7, 14113-14120		
92	In Situ Three-Dimensional Observation of Perovskite Crystallization Revealed by Two-Photon Fluorescence Imaging. 2200089		O
91	Binary Superlattices of Gold Nanoparticles in Two Dimensions 2022 , 3424-3430		1
90	Instabilities as the Origin of Large-Area Self-Assembled and Aligned Organic Semiconductor Nanocrystals.		
89	Scaling mechanical instabilities in drying micellar droplets.		
88	Malleable Patterns from the Evaporation of a Colloidal Liquid Bridge: Coffee Ring to the Scallop Shell 2022 ,		
87	Effective Enrichment of Plasmonic Hotspots for SERS by Spinning Droplets on a Slippery Concave Dome Array. 2022 , 12, 270		1
86	Size-Dependent Dried Colloidal Deposit and Particle Sorting via Saturated Alcohol Vapor-Mediated Sessile Droplet Spreading 2022 ,		1
85	Drying-induced stresses in poroelastic drops on rigid substrates. <i>Physical Review E</i> , 2022 , 105, 2.2	1	0
84	Competition between thermal and surfactant-induced Marangoni flow in evaporating sessile droplets 2022 , 622, 892-903		4
83	Analytical modeling of the evaporation of sessile drop linear arrays. <i>Physical Review E</i> , 2022 , 105, 2.2	1	1
82	Suppression of Coffee-ring Effect in Air-processed Inkjet-printed Perovskite Layer Towards the Fabrication of Efficient Large-sized All-printed Photovoltaics: A Perovskite Precursor Ink Concentration Regulation Strategy.		1

81	Probing into the drying pattern dynamics of a ferrofluid droplet under the actuation of magnetic field. 2022 , 1-1	
80	Line Patterns and Fractured Coatings in Deposited Colloidal Hydrochar on Glass Substrates after Evaporation of Water. 2022 , 6, 36	
79	Influence of Degassing Treatment on the Ink Properties and Performance of Proton Exchange Membrane Fuel Cells. 2022 , 12, 541	О
78	Printed Kirigami Organic Photovoltaics for Efficient Solar Tracking. 2204004	2
77	Use of Heating Configuration to Control Marangoni Circulation during Droplet Evaporation. 2022 , 14, 1653	1
76	Milligram mass metrology for quantitative deposition of liquid samples. 2022 , 100380	
75	Capillary condensation of saturated vapor in a corner formed by two intersecting walls. 2022 , 34, 062103	3
74	Self-assembly of highly ordered micro- and nanoparticle deposits. 2022 , 13,	6
73	Pattern of an Evaporated Colloidal Droplet on a Porous Membrane Dictated by Competitive Processes of Flow and Absorption.	
72	Imbibition-induced ultrafast assembly and printing of colloidal photonic crystals. 2022 , 624, 370-376	
71	Evaporation driven smart patterning of microparticles on a rigid-soft composite substrate. 2022 , 623, 927-937	2
70	Evaporation and fluid flow near the boundary of a stationary dry patch. <i>Physical Review E</i> , 2022 , 105,	
69	The effect of electrical double layers on evaporation of sessile droplets. 2022, 134,	
68	Evolution of Edge-On Oriented Polymer Films Self-Assembled at the Airliquid Interface for High-Performance Electronic Device Applications. 2022 , 4, 4818-4828	O
67	Patterning of organic semiconductor crystal arrays via microchannel-assisted inkjet printing for organic field-effect transistors.	
66	Sessile drop evaporation approach to detect starch adulteration in milk. 2022 , 109272	1
	Sessile drop evaporation approach to detect startin additional infilmiti. 2022, 109212	
65	Size-Dependent Spontaneous Separation of Colloidal Particles in Sub-Microliter Suspension by Cations. 2022 , 23, 8055	

63	Quasi-Stationary Evaporation of a Small Liquid Droplet on a Flat Substrate: Analytical Solution in Bipolar Coordinates. 2022 , 84, 312-320	О
62	Self-Assembly of Halloysite Nanotubes as a Tool for the Formation of 3D Structures. 2022 , 84, 344-352	
61	Control of the Drying Patterns for Complex Colloidal Solutions and Their Applications. 2022, 12, 2600	2
60	Recent Advances in Realizing Highly Aligned Organic Semiconductors by Solution-Processing Approaches. 2200752	2
59	Magnetically assisted drop-on-demand 3D printing of microstructured multimaterial composites. 2022 , 13,	3
58	Preparation of Ultrathin Graphene Film via Capillary Liquid Bridge for Uniform Lithium Nucleation in Anode Free Lithium Metal Battery. 2022 ,	Ο
57	Distributed evaporation of water-in-oil emulsion drops on solid surfaces.	Ο
56	High-surface-area activated carbon from pine cones for semi-industrial spray deposition of supercapacitor electrodes	Ο
55	Thermal Marangoni trapping driven by laser absorption in evaporating droplets for particle deposition.	Ο
54	A review of inkjet printing technology for personalized-healthcare wearable devices. 2022 , 10, 14091-14115	1
53	Phase separation in evaporating all-aqueous sessile drops. 2022 , 18, 6313-6317	0
52	Evaporation of a Sessile Colloidal Water G lycerol Droplet: Marangoni Ring Formation. 2022 , 38, 12082-12094	2
51	Quantitative analysis of the vertical-averaging approximation for evaporating thin liquid films. 2022 , 7,	0
50	Flow reversal inside a drop evaporating on a soluble substrate. 2022 , 7,	O
49	Analytical solutions for modelling the evaporation of sessile drops. 2022,	1
48	Large-scale kinetic roughening behavior of coffee-ring fronts. 2022, 106,	Ο
47	Evaporation-driven liquid flow in sessile droplets.	1
46	Evaporation-driven octagonal particle deposition on the patterned substrate. 2022 , 1, 202-213	Ο

45	Resolving the microscopic hydrodynamics at the moving contact line. 2022 , 7,	2
44	Effect of the Anticaking Agent FeCN on the Creeping Properties of Alkali Halide Crystals. 2022 , 22, 6575-658	1 0
43	Evaporation of Sessile Droplets. 2023 , 55,	5
42	Marangoni convection analysis during ethanol natural evaporation in a capillary tube. 2022 , 26,	O
41	Interfacial Crystallization in the Polyhedral Liquid Marbles. 2022,	О
40	Effect of surfactant concentration on the evaporation-driven deposition of carbon nanotubes: from coffee-ring effect to strain sensing. 2022 , 12, 31688-31698	1
39	Interfacial confined droplet on sessile platform for crystal screening and harvest.	О
38	Super-Enhanced Evaporation of Droplets from Porous Coatings. 2022 ,	1
37	A review of salt precipitation during CO2 injection into saline aquifers and its potential impact on carbon sequestration projects in China. 2023 , 334, 126615	1
36	Product from sessile droplet evaporation of PNIPAM/water system above LCST: A block or micro/nano-particles?. 2023 , 634, 769-781	O
35	Evaporation-induced deposition morphology of suspension droplets on hydrophobic surfaces manipulated by controlling the relative humidity. 2023 , 202, 123709	О
34	Deposit formation from evaporating urea-water droplets on substrates of different wettability. 2023 , 634, 1-13	O
33	Whisky-born memristor.	O
32	Semicrystalline Polymer Micro/Nanostructures Formed by Droplet Evaporation of Aqueous Poly(ethylene oxide) Solutions: Effect of Solution Concentration. 2022 , 38, 15063-15076	O
31	Ink-Jet Printing towards Ultra-High Resolution: A Review. 2022 , 12, 1893	O
30	Hierarchical Organization of Structurally Colored Cholesteric Phases of Cellulose via 3D Printing. 2205506	O
29	Counter-Intuitive Evaporation in Nanofluids Droplets due to Stick-Slip Nature. 2022, 38, 15361-15371	0
28	Influence of Surface Roughness on Droplet Evaporation and Absorption: Insights into Experiments from Lubrication-Theory-Based Models. 2022 , 38, 15889-15904	О

27	Drying Patterns of Cerebrospinal Fluid as Indicator for Alzheimer Disease by a Machine Learning Framework. 2022 , 2407, 012027	O
26	Mechanisms driving spatial distribution of residents in colony biofilms: an interdisciplinary perspective. 2022 , 12,	O
25	Surfactant Control of Coffee Ring Formation in Carbon Nanotube Suspensions.	O
24	Two-Level Optical Birefringence Created by Evaporation-Induced Polymer Crystallization in Sessile Droplets.	O
23	The multicomponent diffuse-interface model and its application to water/air interfaces. 2023, 954,	O
22	Suppressing infiltration and coffee-ring effects of colorimetric reagents on paper for trace-level detection of Ni (II).	O
21	Phase Diagramlof Surface Temperature Distribution of Sessile Droplets and the Effects of Evaporative Cooling.	O
20	Evaporation-induced self-assembly of gold nanorods on a hydrophobic substrate for surface enhanced Raman spectroscopy applications. 9,	O
19	Evaporation-induced fractal patterns: A bridge between uniform pattern and coffee ring. 2023 , 637, 522-532	О
18	A versatile approach for the preparation of matrix-matched standards for LA-ICP-MS analysis [] Standard addition by the spraying of liquid standards. 2023 , 256, 124305	O
17	Coffee stain effect on a fibre from axisymmetric droplets. 2023 , 957,	O
16	Droplet evaporation dynamics on heterogeneous surfaces: Numerical modeling of the stick-slip motion. 2023 , 207, 123992	O
15	Volatility effect on internal flow and contact line behavior during evaporation of binary mixture droplets. 2023 , 207, 124009	O
14	Geometrically-controlled evaporation-driven deposition of conductive carbon nanotube patterns on inclined surfaces. 2023 , 19, 1393-1406	O
13	Universal assembly of ordered Ag nanowire micromesh conductors on arbitrary substrates by manipulating the contact angle. 2023 , 11, 6440-6451	O
12	Droplet evaporation in inert gases. 2023 , 958,	O
11	The Influence of Electric and Magnetic Fields on the Structure of Flat Drops of Magnetic Fluids upon Drying. 2023 , 13, 540	O
10	Three-Dimensional Coffee-Ring Effect Induced Deposition on Foam Surface for Enhanced Photothermal Conversion. 2207822	O

9	ZnO UV sensor photoresponse enhancement by coating method optimization. 2023, 14, 100171	O
8	Drying of bio-colloidal sessile droplets: Advances, applications, and perspectives. 2023 , 314, 102870	O
7	Characterization of the Temperature Profile near Contact Lines of an Evaporating Sessile Drop. 2023 , 16, 2623	О
6	Effects of selected solvents on PMMA after prolonged exposure: unilateral NMR and ATR-FTIR investigations. 2023 , 11,	O
5	Research progress in the deposition pattern of evaporating polymer solution. 2023, 53, 747-761	О
4	Investigation of aerosol droplets diameter generated in aerosol jet printing. 2022 , 40, 78-90	O
3	Sessile drop evaporation in a gap Itrossover between diffusion-limited and phase transition-limited regime. 2023 , 960,	О
2	Evaporation of non-circular droplets. 2023 , 961,	О
1	Vapor-shielding effect and evaporation characteristics of multiple droplets. 2023, 144, 106789	0