

# CITATION REPORT

List of articles citing

## On convection cells induced by surface tension

DOI: 10.1017/s0022112058000616

Journal of Fluid Mechanics, 1958, 4, 489-500.

**Source:** <https://exaly.com/paper-pdf/7122385/citation-report.pdf>

**Version:** 2024-04-26

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
1410	Pure thermocapillary convection in a multilayer system: First results from the IML-2 mission. <b>1996</b> , 299-311		10
1409	Dynamics of a fluid interface Equation of motion for Newtonian surface fluids. <b>1960</b> , 12, 98-108		669
1408	The Marangoni Effects. <b>1960</b> , 187, 186-188		973
1407	The effect of monomolecular films on surface temperature and convective motion at the water/air interface. <b>1962</b> , 17, 512-522		41
1406	On cellular convection driven by surface-tension gradients: effects of mean surface tension and surface viscosity. <i>Journal of Fluid Mechanics</i> , <b>1964</b> , 19, 321-340	3.7	500
1405	Surface tension and buoyancy effects in cellular convection. <i>Journal of Fluid Mechanics</i> , <b>1964</b> , 19, 341-353	3.7	490
1404	On the cellular patterns in thermal convection. <i>Journal of Fluid Mechanics</i> , <b>1964</b> , 18, 481-498	3.7	24
1403	Thermal instability in a horizontal fluid layer: effect of boundary conditions and non-linear temperature profile. <i>Journal of Fluid Mechanics</i> , <b>1964</b> , 18, 513-528	3.7	402
1402	The effect of surface active agents on convection cells induced by surface tension. <b>1965</b> , 20, 737-745		127
1401	On convective instability induced by surface-tension gradients. <i>Journal of Fluid Mechanics</i> , <b>1966</b> , 24, 401-414	3.7	273
1400	Natural convection in pools of evaporating liquids. <i>Journal of Fluid Mechanics</i> , <b>1966</b> , 24, 721	3.7	98
1399	Evaporative Convection. <b>1966</b> , 6, 61-123		88
1398	Surface tension and buoyancy effects in the cellular convection of an electrically conducting liquid in a magnetic field. <b>1966</b> , 17, 131-139		26
1397	Instabilität einer von unten erwärmten Flüssigkeitsschicht bei gleichzeitiger Berücksichtigung von Oberflächenspannung und Auftriebskraft. <b>1967</b> , 18, 845-851		4
1396	Constitutional supercooling in the presence of convection cells. <b>1967</b> , 1, 125-130		8
1395	Convection induced by surface-tension gradients: experiments with a heated point source. <b>1968</b> , 23, 503-507		5
1394	Thermal convection in horizontal crystal growth. <b>1968</b> , 2, 1-8		42

1393	Segregation of impurities in molten salts induced by cellular convection and its effect on crystal growth. <b>1968</b> , 2, 131-135		5
1392	Existence and nonuniqueness of rectangular solutions of the Bhard problem. <b>1968</b> , 29, 32-57		113
1391	Finite amplitude convection with changing mean temperature. Part 2. An experimental test of the theory. <i>Journal of Fluid Mechanics</i> , <b>1968</b> , 33, 457-463	3.7	65
1390	Surface deformation of thin coatings caused by evaporative convection. <b>1969</b> , 31, 203-207		4
1389	Convective instability by active stress. <b>1969</b> , 310, 183-219		19
1388	The Effect of Rotation on Convective Instability Induced by Surface Tension and Buoyancy. <b>1970</b> , 28, 1340-1349		15
1387	Nature of the Neutral State in Convective Instability Induced by Surface Tension and Buoyancy. <b>1970</b> , 28, 810-810		34
1386	Surface-tension-driven convection due to an internal heat source. <b>1970</b> , 32, 270-271		1
1385	Experiments on the cellular structure in bhard convection. <b>1970</b> , 13, 849-856		75
1384	Thermoconvective instability in a bounded cylindrical fluid layer. <b>1970</b> , 13, 1479-1496		162
1383	Fluid Mechanics of a Shallow Fuel Layer Near a Burning Wick. <b>1970</b> , 2, 105-113		13
1382	Convection in an internally heated layer. <i>Journal of Fluid Mechanics</i> , <b>1970</b> , 44, 673	3.7	56
1381	Thermal control of spacecraft by use of solid-liquid phase-change materials. <b>1970</b> ,		1
1380	Convective instability in liquid pools heated from below. <i>Journal of Fluid Mechanics</i> , <b>1971</b> , 47, 779-787	3.7	77
1379	A numerical study of the Bhard cell. <i>Journal of Fluid Mechanics</i> , <b>1971</b> , 45, 805-829	3.7	8
1378	THERMODYNAMICS OF FLOW AND BIOLOGICAL ORGANIZATION. <b>1971</b> , 6, 99-125		19
1377	Buoyancy and surface-tension induced instabilities of fluid in open and closed vertical cylindrical containers. <b>1971</b> , 24, 305-328		7
1376	Surface-tension-driven convection under the simultaneous action of a magnetic field and rotation. <b>1971</b> , 37, 55-56		8

1375	Modified superheating of purified water. <b>1971</b> , 172, 718-22		15
1374	Heat flow and convection demonstration experiments aboard apollo 14. <b>1972</b> , 176, 506-8		72
1373	Thermal oscillations and their effect on solidification processes. <b>1972</b> , 3, 3-30		35
1372	Chapter 6 Convective Instability Problems. <b>1972</b> , 150-207		
1371	Buoyancy-Surface Tension Instability Due to an Internal Heat Source. <b>1972</b> , 33, 529-532		2
1370	The Motion of Bubbles and Drops Through Liquids. <b>1972</b> , 12, 59-129		150
1369	Thermal instabilities in two-fluid horizontal layers. <i>Journal of Fluid Mechanics</i> , <b>1972</b> , 53, 305-327	3-7	85
1368	Hydrodynamic stability of surfactant solutions heated from below. <i>Journal of Fluid Mechanics</i> , <b>1972</b> , 51, 385-402	3-7	71
1367	The effect of heats of solution on marangoni convection. <b>1972</b> , 15, 2109-2117		7
1366	The structure of cellulose acetate membranes 1. The development of porous structures in anisotropic membranes. <b>1972</b> , 10, 1-15		67
1365	Hydrodynamics in weak force fields onset of steady thermocapillary convection in a spherical fluid layer under zero-g conditions. <b>1972</b> , 4, 62-66		1
1364	Rheology of Sintering, Spreading and Leveling of Fluids. <b>1972</b> , 4, 247-259		3
1363	Stability analysis of interfacial behaviour in cases of simultaneous heat and mass transfer. <b>1973</b> , 45, 1110-1113	1	
1362	The effect of surfactants on the breakup of cylinders and jets. <b>1973</b> , 43, 113-121		14
1361	Surface relief accompanying natural convection in liquid pools heated from below. <i>Journal of Fluid Mechanics</i> , <b>1973</b> , 57, 739-752	3-7	25
1360	. <b>1974</b> ,		2
1359	Marangoni instability in non-isothermal first order gas-liquid reactions—evaluations of Cl <sub>2</sub> -toluene and CO <sub>2</sub> -sodium hydroxide systems. <b>1974</b> , 29, 2219-2228		4
1358	Effects of constant heat source on convective instability caused by surface tension gradients. <b>1974</b> , 29, 1045-1049		1

1357	Marangoni instability in case of a non-uniform heat source. <b>1974</b> , 17, 1419-1421		0
1356	Heat transfer through a shallow, horizontal convecting fluid layer. <b>1974</b> , 17, 991-1002		125
1355	The effect of temperature induced surface tension gradients on bubble mechanics. <b>1974</b> , 29, 195-210		16
1354	Thermal instability induced by buoyancy and surface tension with radiative transfer. <b>1974</b> , 30, 144-154		
1353	Thermocapillary convection in a layer of liquid. <b>1974</b> , 13, 173-181		
1352	Electroconvection cells in dielectric liquids interfaced with conducting fluids. <b>1974</b> , 336, 487-494		5
1351	Stability analysis of liquid-liquid systems under conditions of simultaneous heat and mass transfer. <b>1975</b> , 30, 1527-1528		10
1350	Minimum rate of entropy production variational formulation and preferred mode of motion in thermal instability. <b>1975</b> , 13, 881-888		1
1349	Buoyant and capillary natural convection in infinite horizontal liquid layers heated laterally. <b>1975</b> , 2, 223-235		2
1348	Heat Flow and Convection Experiments aboard Apollo 17. <b>1975</b> , 187, 165-7		40
1347	A Survey of Hydrodynamic Instabilities. <b>1975</b> , 153-180		9
1346	The stability of uniformly accelerated flows with application to convection driven by surface tension. <i>Journal of Fluid Mechanics</i> , <b>1975</b> , 68, 191	3-7	25
1345	Convection. <b>1976</b> , 39, 1-63		14
1344	An Experimental Study of Internal Hygrocyts. <b>1976</b> , 98, 688-692		8
1343	The evaporation and condensation coefficient of water, ice and carbon tetrachloride. <b>1976</b> , 31, 609-617		31
1342	Maximum density effects on thermal instability induced by combined buoyancy and surface tension. <b>1976</b> , 19, 559-565		10
1341	Marangoni instability with an evaporating interface. <b>1976</b> , 3, 309-318		
1340	Thermocapillary convection in microgravity crystal growth melts of indium-antimonide. <b>1976</b> , 3, 193-204		2

1339	DEPENDENCE OF THE DIFFERENTIABILITY OF FUNCTIONS OF SEVERAL VARIABLES ON THEIR RATE OF APPROXIMATION BY RATIONAL FUNCTIONS. <b>1977</b> , 11, 171-192	1
1338	Materials Sciences in Space with Application to Space Processing. <b>1977</b> ,	5
1337	A Criterion of Onset of Free Convection in a Horizontal Melted Water Layer With Free Surface. <b>1977</b> , 99, 92-98	24
1336	Interface Phenomena and Transport Processes under Reduced Gravity. <b>1977</b> , 77-87	
1335	Convective instability: A physicist's approach. <b>1977</b> , 49, 581-624	490
1334	Surface Thermodynamics. <b>1977</b> , 527-539	0
1333	The sea surface temperature deviation at very low wind speeds; is there a limit?. <b>1977</b> , 29, 229-239	22
1332	Convection Phenomena of Importance for Materials Processing in Space. <b>1977</b> , 3-32	4
1331	Surface thermodynamics. <b>1977</b> , 58, 498-510	57
1330	. <b>1977</b> , 29, 229-239	39
1329	A photographic study of condensation in the presence of instabilities. <b>1977</b> , 32, 995-1001	4
1328	205 - Direct Conversion of Chemical Energy Into Mechanical Energy at an Oil Water Interface. <b>1978</b> , 5, 134-141	157
1327	Experiments on surface tension driven flow in floating zone melting. <b>1978</b> , 43, 305-312	239
1326	Surface tension driven instability of a liquid film flow down a heated incline. <b>1978</b> , 21, 1517-1526	29
1325	Surface tension effects in heat transfer through thin liquid films. <b>1978</b> , 21, 1241-1249	11
1324	Flow processes in a micro-gravity environment. <b>1979</b> , 16, 23-7	2
1323	Rayleigh-Benard-Marangoni Instability: New Experimental Results. <b>1979</b> , 4,	30
1322	Finite amplitude bhard-rayleigh convection. <b>1979</b> , 22, 535-546	22

1321	Late stages of spinodal decomposition in binary mixtures. <b>1979</b> , 20, 595-605	1039
1320	Instabilities induced by mass transfer, low surface tension and gravity at isothermal and deformable fluid interfaces. <b>1979</b> , 1-74	10
1319	Surface Tension Driven Instability in a Horizontal Layer of Binary Liquid Mixture in the Presence of the Soret Effect. II. Overstability. <b>1980</b> , 49, 802-806	10
1318	Influence of solidification on surface tension driven convection. <b>1980</b> , 23, 191-201	7
1317	Bñard cells in polymeric films. <b>1980</b> , 19, 527-527	1
1316	The aqueous thermal boundary layer. <b>1980</b> , 18, 107-127	92
1315	Mechanism of formation of fluted void superstructures in the coagulation of wet spun fibers and application to membranes. <b>1980</b> , 20, 1126-1131	7
1314	Weakly supercritical convection. <b>1980</b> , 21, 220-228	9
1313	Digital simulation of Czochralski bulk flow in microgravity. <b>1980</b> , 48, 25-28	30
1312	Spatial light modulator based on a deformable oil laser. <b>1980</b> , 34, 23-28	8
1311	Thermal instability in spherical liquid shells induced by surface tension. <b>1980</b> , 7, 363-378	2
1310	Microgravity and the Thermoconvective Stability of a Binary Liquid Layer Open to the Ambient Air. <b>1980</b> , 5,	27
1309	Mcanismes de Base de la Dformation Cellulaire d'une Couche Mince Isolante Liquide Soumise ^ un Flux de Charges. <b>1980</b> , 9, 153-167	
1308	Pattern formation in a ferroin-bromate system. <b>1980</b> , 73, 3735-3742	71
1307	RayleighBñard instability in reactive binary fluids. <b>1980</b> , 72, 3577-3587	15
1306	Surface defects in drying paint films. <b>1980</b> , 8, 275-324	45
1305	The Role of Fluid Flow Phenomena in the Czochralski Growth of Oxides. <b>1981</b> , 9, 373	
1304	Free surface convection in a bounded cylindrical geometry. <b>1981</b> , 24, 1513-1529	32

1303	Linear perturbation analysis of surface-tension-driven convection at a plane interface (marangoni instability). <b>1981</b> , 84, 433-443	92
1302	Effect of humidity on desorption of fatty acid monolayers at constant area. <b>1981</b> , 82, 480-489	9
1301	Surface Tension Driven Instability in a Horizontal Liquid Layer with a Deformable Free Surface. I. Stationary Convection. <b>1981</b> , 50, 2745-2750	117
1300	Surface Tension Driven Instability in a Horizontal Liquid Layer with a Deformable Free Surface. II. Overstability. <b>1981</b> , 50, 2751-2756	86
1299	Errata: An Approach for Estimating Vibration Characteristics of Nonuniform Rotor Blades. <b>1981</b> , 19, 0672b-0672b	
1298	Reply by Authors to H. Klein and A. Bewersdoff. <b>1981</b> , 19, 0672a-0672a	
1297	Marangoni-Number-Dependent Bubble Velocity. <b>1981</b> , 19, 671-672	3
1296	Transition to turbulence in Rayleigh-Behard convection. <b>1981</b> , 97-137	10
1295	Interfacial Hydrodynamics: An Over View. <b>1982</b> , 21, 121-136	20
1294	Surface tension stability of a liquid layer cooled from below. <b>1982</b> , 20, 1464-1466	2
1293	Some physical mechanisms of hydrodynamical instabilities. <b>1982</b> , 94-137	1
1292	Mathematical methods in stability theory. <b>1982</b> , 41-93	2
1291	Simultaneous Solution of the Inviscid Flow and Boundary Layers for Compressor Cascades. <b>1982</b> , 20, 1466-1468	3
1290	RIVER PLUME STUDIES IN DISTORTED FROUDE MODELS. <b>1982</b> , 20, 15-27	8
1289	Thermovision applied to Benard-Marangoni convection. <b>1982</b> , 21, 2153-9	16
1288	Non-Linear Thermal Convection. <b>1982</b> , 145-172	
1287	SURFACE TENSION-DRIVEN CONVECTION IN A CYLINDRICAL GEOMETRY. <b>1982</b> , 14, 203-223	1
1286	Convection phenomena at reduced gravity of importance in space processing of materials. <b>1982</b> , 4, 109-123	3

1285	The onset of transient Marangoni convection in a liquid layer subjected to rotation about a vertical axis. <b>1982</b> , 4, 297-316	8
1284	Velocity distribution due to marangoni effect for angular temperature field along an infinite liquid bridge under weightless condition. <b>1982</b> , 48, 50-55	21
1283	Heat transport in an infinitely long Non-Newtonian liquid bridge due to marangoni convection. <b>1982</b> , 16, 229-235	2
1282	Asymptotic analysis of natural convection through horizontal porous layer. <b>1982</b> , 20, 27-39	15
1281	Large cells in nonlinear marangoni convection. <b>1982</b> , 4, 227-235	56
1280	Stability of thin liquid films evaporating into saturated vapor. <b>1982</b> , 88, 100-110	5
1279	Heat conduction during the measurement of the evaporation resistances of monolayers. <b>1982</b> , 88, 437-443	22
1278	Fluid flow patterns in a simulated garnet melt. <b>1982</b> , 58, 253-260	45
1277	Marangoni-convection in a freely floating liquid sphere due to axial temperature field. <b>1982</b> , 52, 263-273	25
1276	Growth of fluctuations near the Bhard-Marangoni convective instability. <b>1983</b> , 48, 43-55	1
1275	Experimental and theoretical study of an interfacial instability at some oil-water interfaces involving a surface-active agent. <b>1983</b> , 94, 187-200	80
1274	Thermal imaging system with a two-phase ternary mixture of liquids. <b>1983</b> , 45, 149-154	8
1273	Surface oscillation due to marangoni-effect in a freely floating sphere. <b>1983</b> , 53, 275-287	16
1272	Effectiveness of mass transfer in a packed distillation column in relation to surface tension gradients. <b>1983</b> , 38, 917-923	26
1271	Polymerization of 16-heptadecenoic acid monolayers. <b>1983</b> , 102, 131-140	2
1270	Nature of the Neutral State in Convective Instability in a Horizontal Fluid Layer with Internal Heat Generation. <b>1983</b> , 52, 4038-4040	3
1269	Convection driven by concentration- and temperature-dependent surface tension. <i>Journal of Fluid Mechanics</i> , <b>1983</b> , 134, 301	3.7 55
1268	CRITICAL EFFECTS IN BHARD'S PROBLEM DUE TO TEMPERATURE-DEPENDENT SURFACE TENSIONS. <b>1983</b> , 404, 43-44	

1267	Dformation de la surface libre en convection de Bhard-Marangoni. <b>1984</b> , 45, 405-411		27
1266	Cellular structures in instabilities : An introduction. <b>1984</b> , 1-32		6
1265	Free Liquid Surface Response Induced by Fluctuations of Thermal Marangoni Convection. <b>1984</b> , 22, 421-428		27
1264	Benard-Marangoni instability in a Maxwell-Cattaneo fluid. <b>1984</b> , 105, 361-364		25
1263	Benard-Marangoni instability in a Maxwell-Cattaneo fluid. <b>1984</b> , 104, 153-156		
1262	Recent developments in surface-tension driven instabilities. <b>1984</b> , 11, 353-359		2
1261	On Marangoni convection during the evaporation of water. <b>1984</b> , 98, 585-586		23
1260	Marangoni convection in a rotating fluid layer with non-uniform temperature gradient. <b>1984</b> , 27, 443-449		19
1259	Steady thermocapillary motion in a horizontal layer of liquid metal locally heated from above. <b>1984</b> , 19, 986-992		4
1258	Thermocapillary convection in a thin liquid layer locally heated from above. <b>1984</b> , 24, 887-890		3
1257	A nonlinear stability analysis of the BhardMarangoni problem. <i>Journal of Fluid Mechanics</i> , <b>1984</b> , 145, 447	3.7	84
1256	Thermohydrodynamic Instabilities: Buoyancy-Thermocapillary Convection. <b>1984</b> , 179-196		2
1255	On the possibility of simultaneous generation of capillary waves by means of laser pulses on both sides of a steel plate. <b>1985</b> , 4, 790-792		4
1254	A new experimental method to select hexagonal patterns in Bhard-Marangoni convection. <b>1985</b> , 112, 366-370		11
1253	Marangoni convection in liquid films with a deformable open surface. <b>1985</b> , 108, 264-270		17
1252	Thermocapillary instability of a viscoelastic liquid layer. <b>1985</b> , 55, 137-149		22
1251	Initial flow development due to Marangoni convection in a mass transfer system. <b>1985</b> , 28, 2315-2322		16
1250	Effects of magnetic field and non-uniform temperature gradient on Marangoni convection. <b>1985</b> , 28, 1621-1624		22

1249	A finite element approximation of the Benard problem. <b>1985</b> , 1, 317-324		1
1248	Linear analysis of surface deflection in bhard-marangoni instability. <b>1985</b> , 46, 2047-2051		18
1247	Interaction of the surface tension and buoyancy mechanisms in a horizontal liquid layer. <b>1985</b> ,		
1246	Gravitational effects on transmembrane flux: the rayleighTaylor convective instability. <b>1985</b> , 23, 71-81		37
1245	Instability mechanisms in dynamic thermocapillary liquid layers. <b>1986</b> , 29, 3182		122
1244	Onset of surface-tension-driven Bhard convection. <i>Journal of Fluid Mechanics</i> , <b>1986</b> , 167, 49	3-7	105
1243	Marangoni Instability of Thin Liquid Sheet. <b>1986</b> , 55, 2191-2202		18
1242	Rates of evaporation accompanying the depressurization of a pool of saturated Freon-11. <b>1986</b> , 41, 3037-3043		3
1241	The effects of monolayers on the evaporation of liquids. <b>1986</b> , 25, 89-200		129
1240	Problems related to non-linear variations of surface tension. <b>1986</b> , 13, 697-703		18
1239	Thermocapillary convection mechanism due to the absorption of spatially periodic laser radiation. <b>1986</b> , 20, 703-706		1
1238	Infrared photography in liquid films by thermocapillary convection. <b>1986</b> , 7, 171-182		5
1237	Effects of non-uniform temperature gradient and Coriolis force on Bhard-Marangoni's instability. <b>1986</b> , 61, 37-50		4
1236	Surface-tension-driven liquid layer flows in aerospace applications. <b>1986</b> ,		
1235	Interaction of surface-tension and buoyancy mechanisms in horizontalliquid layers. <b>1987</b> , 1, 129-135		14
1234	THE EFFECTS OF ELECTRICAL CHARGE UPON MASS TRANSFER FROM DROPS EXHIBITING INTERFACIAL TURBULENCE. <b>1987</b> , 57, 277-287		3
1233	Stability of roll and hexagonal patterns in BhardMarangoni convection. <b>1987</b> , 30, 954		35
1232	EFFECTS OF INTERNAL HEAT GENERATION AND VARIABLE VISCOSITY ON MARANGONI CONVECTION. <b>1987</b> , 11, 165-182		7

1231	Thermocapillary-Induced Breakup of Molten Cladding Films. <b>1987</b> , 96, 137-144	
1230	Thermocapillary Instabilities. <b>1987</b> , 19, 403-435	440
1229	An investigation of the reduction of oxygen at a rotating disc electrode with heat transfer facilities. <b>1987</b> , 27, 1301-1311	4
1228	A nonlinear evolution equation for Bhard-Marangoni convection with deformable boundary. <b>1987</b> , 122, 107-110	16
1227	Nonlinear Surface Waves Driven by the Marangoni Instability in a Heat Transfer System. <b>1987</b> , 56, 2031-2038	18
1226	Maragoni convection in a two-layer system. <b>1987</b> , 52, 561-568	
1225	Non-linear, unsteady free convection in a vertical cylinder submitted to a horizontal thermal gradient: measurements in water between 6 and 21°C and a theoretical model of convection. <b>1987</b> , 30, 289-295	6
1224	Effect of magnetic field on onset of Marangoni convection. <b>1988</b> , 31, 285-293	22
1223	Fluid physics experiments under microgravity conditions. <b>1988</b> , 8, 69-76	
1222	Numerical modeling of thermocapillary convection in a fluid layer with local heating of the free surface. <b>1988</b> , 22, 584-588	1
1221	An extended thermodynamic approach to non-Newtonian fluids and related results in Marangoni instability problem. <b>1988</b> , 28, 61-76	19
1220	The onset of convection in a finite container due to surface tension and buoyancy. <b>1988</b> , 29, 387-401	28
1219	Computational fluid dynamics and material processing (buoyancy and thermocapillary convections in melts during directional crystallization). <b>1988</b> , 8, 225-249	5
1218	Marangoni instability with non-uniform volumetric energy sources due to incident radiation. <b>1988</b> , 17, 31-38	5
1217	Hydrodynamic effects of surfactants on the macromorphology of electrodeposited zinc and flow visualization: The flow-field throw. <b>1988</b> , 243, 21-55	7
1216	Surface diffusion in monomolecular films: I. Lateral profile shift in radiotracer method. <b>1988</b> , 121, 355-365	14
1215	MASS TRANSPORT EFFECTS ON THE STABILITY OF EMULSION: EMULSION FILMS WITH ACETIC ACID AND ACETONE DIFFUSING ACROSS THE INTERFACE. <b>1988</b> , 9, 321-341	28
1214	RayleighBhard and interfacial instabilities in two immiscible liquid layers. <b>1988</b> , 31, 3502	27

1213	Pattern selection in thermal convection: Experimental results in an annulus. <b>1988</b> , 37, 200-206	10
1212	Marangoni Instability Due to Chemical Absorption with an Irreversible Reaction. <b>1988</b> , 57, 476-489	2
1211	Microstructural Response of Silm and SBS Block Copolymers to Heat Treatment. <b>1988</b> , 20, 649-671	11
1210	Nonequilibrium phenomena in critical microemulsions. <b>1988</b> , 165-168	3
1209	Short Communication. <b>1989</b> , 14,	1
1208	Evolution of the coupled Bhard-Marangoni convection. <b>1989</b> , 39, 2063-2069	15
1207	Thermal stability in evaporating liquid disks by local potential technique. <b>1989</b> , 3, 195-202	1
1206	Influence of surfactants on the hydrodynamics of laser alloying of metals. <b>1989</b> , 19, 526-528	3
1205	Dissipative hydrodynamic oscillators. <b>1989</b> , 11, 1631-1643	9
1204	Effect of magnetic field and buoyancy on onset of Marangoni convection. <b>1989</b> , 32, 1377-1380	10
1203	Hydrodynamic stability of the melt during the solidification of a binary alloy with small segregation coefficient. <b>1989</b> , 39, 231-238	9
1202	Surface deflection in benard-marangoni convection. <b>1989</b> , 141, 161-164	1
1201	The influence of buoyancy on the oscillatory thermocapillary convection with small bond number. <b>1989</b> , 19, 593-596	6
1200	A finite element stability analysis for the Marangoni problem in a rectangular container with rigid sidewalls. <b>1989</b> , 17, 467-485	18
1199	Interfacial thermal balance equation. <b>1989</b> , 132, 269-273	4
1198	Thermocapillary convection in zone-melting crystal growth □An open-boat physical simulation. <b>1989</b> , 98, 637-645	8
1197	Thermocapillary convection associated with nonuniform heating of the free surface of a liquid. <b>1989</b> , 24, 113-119	
1196	Development of thermocapillary convection in a fluid cylinder and cylindrical and plane layers under the influence of internal heat sources. <b>1989</b> , 30, 261-268	4

1195	On the surface structure and the hydrodynamics of the Benard cells. <b>1989</b> , 8, 238-240	
1194	Possible mechanism for laser-induced two-dimensional periodic structures by analogy with the Bhard effect. <b>1989</b> , 14, 853-5	3
1193	MULTIPLICITY AND STABILITY OF STEADY SOLUTIONS FOR MARANGONI CONVECTION IN A TWO-DIMENSIONAL RECTANGULAR CONTAINER WITH RIGID SIDEWALLS. <b>1989</b> , 16, 59-75	5
1192	AN EXPERIMENTAL STUDY OF RAYLEIGH-BENARD CONVECTION IN LIQUID TIN. <b>1989</b> , 82, 223-228	6
1191	Theory of Transport Processes in Semiconductor Crystal Growth from the Melt. <b>1989</b> , 35-103	1
1190	NUMERICAL ANALYSIS OF NATURAL CONVECTION IN LIQUID DROPLETS BY PHASE CHANGE. <b>1989</b> , 16, 129-154	9
1189	Surface-tension- and coupled buoyancy-driven instability in a horizontal liquid layer. Overstability and exchange of stability. <b>1990</b> , 2, 903-911	31
1188	Thermohydrodynamic Instabilities and Capillary Flows. <b>1990</b> , 207-239	1
1187	Marangoni convection in a rotating spherical geometry. <b>1990</b> , 2, 525-529	5
1186	Thermal convection in ferrofluids under a free surface. <b>1990</b> , 85, 199-202	18
1185	The coupling of Marangoni and capillary instabilities in an annular thread of liquid. <b>1990</b> , 136, 151-159	10
1184	Interfacial instabilities: the linde instability. <b>1990</b> , 45, 3483-3490	11
1183	On the thermocapillary Instabilities in a liquid layer heated from below. <b>1990</b> , 33, 2237-2245	47
1182	The appearance of thermocapillary convection in the nonmoving layer of a liquid of variable viscosity. <b>1990</b> , 30, 944-949	
1181	Nonlinear Marangoni instability in dielectric superposed fluids. <b>1990</b> , 41, 669-683	4
1180	Marangoni instability in a liquid layer bounded by two coaxial cylinder surfaces. <b>1990</b> , 47, 1-21	9
1179	A model of cellular convection during absorption accompanied by chemical reaction. <b>1990</b> , 45, 243-254	17
1178	Solutal Marangoni effect: I. Pure interfacial transfer. <b>1990</b> , 140, 492-506	36

1177	Formation of ordered structures during polymerization. <b>1990</b> , 160, 113-124		1
1176	Model for the fingering instability of spreading surfactant drops. <b>1990</b> , 65, 333-336		119
1175	Benard-Marangoni instability in a two-layer system with uniform heatflux. <b>1990</b> , 4, 73-78		9
1174	Thermocapillary convection in long horizontal layers of low-Prandtl-number melts subject to a horizontal temperature gradient. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 221, 77-103	3-7	64
1173	Surface-tension-driven Bhard convection in small containers. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 215, 571	3-7	92
1172	Steady thermocapillary flows of thin liquid layers. I. Theory. <b>1990</b> , 2, 313-321		53
1171	Surface wave and thermocapillary instabilities in a liquid film flow. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 223, 25	3-7	74
1170	Thermocapillary convection in a liquid layer resting on a nonisothermal plate. <b>1991</b> , 11, 125-128		
1169	On the evaluation of the interfacial turbulence (the Marangoni effect) in gas (vapour)–liquid mass transfer. <b>1991</b> , 29, 77-82		21
1168	Temperature and velocity distribution of a locally heated interface. <b>1991</b> , 146, 163-168		
1167	Structure in cast films of poly(siloxane-imide) copolymers. <b>1991</b> , 27, 109-113		6
1166	Occurrence of thermocapillary convection in a cylindrical layer with different methods of heating. <b>1991</b> , 32, 25-31		
1165	Thermocapillary instability of the interface between two immiscible liquids in the presence of volume heat sources. <b>1991</b> , 25, 781-785		
1164	Thermocapillary instability of the equilibrium of a flat layer containing internal heat sources. <b>1991</b> , 26, 179-182		
1163	Dissipative Structures in Ligand-Accelerated Metal Extraction Systems. <b>1991</b> , 26, 539-557		2
1162	Linear oscillatory cellular thermocapillary convection in liquid layers. <b>1991</b> , 5, 96-102		5
1161	Hot Wire Below the Free Surface of a Liquid: Structural and Dynamical Properties of a Secondary Instability. <b>1992</b> , 20, 505-510		28
1160	Film/substrate/vacuum-chuck interactions during spin-coating. <b>1992</b> , 31, 2012		20

1159	On dynamic excitation of Marangoni instability. <b>1992</b> , 4, 2394-2398		12
1158	Effect of surface tension on the onset of convection in a double-diffusive layer. <b>1992</b> , 4, 2360-2367		18
1157	On the structure of cellular solutions in Rayleigh-BhardMarangoni flows in small-aspect-ratio containers. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 243, 73	3-7	37
1156	The wavenumbers of supercritical surface-tension-driven Bhard convection. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 240, 533	3-7	40
1155	Numerical investigation of the stability of the equilibrium of a cylindrical layer of fluid with internal heat sources. <b>1992</b> , 32, 883-887		
1154	Stability of thin evaporating/condensing films in the presence of surfactants. <b>1992</b> , 18, 517-530		19
1153	Influence of the surface deformability on Marangoni instability in a liquid layer with surface chemical reaction. <b>1992</b> , 152, 473-482		4
1152	Influence of the surface deformability on marangoni instability in a liquid layer with surface chemical reaction. <b>1992</b> , 148, 42-55		8
1151	Onset of natural convection under an electric fieldt. <b>1992</b> , 35, 613-621		23
1150	Dropwise evaporation: thermal analysis of multidrop systems. <b>1992</b> , 35, 1987-2004		7
1149	Marangoni-Bhard instabilities under non-steady conditions. Experimental and theoretical results. <b>1992</b> , 35, 3237-3244		14
1148	Boundary effect on the Bhard-Marangoni instability. <b>1992</b> , 35, 2413-2420		14
1147	The role of buoyant thermals in salt gradient solar ponds and in convection more generally. <b>1993</b> , 36, 1923-1941		3
1146	The effect of a uniform magnetic field on the onset of steady Bhard-Marangoni convection in a layer of conducting fluid. <b>1993</b> , 27, 161-188		29
1145	Thermocapillary instability of a plane layer with a vertical temperature gradient. <b>1993</b> , 27, 313-316		3
1144	Oscillatory thermocapillary instability of a liquid layer in the presence of a surfactant. <b>1993</b> , 28, 3-6		7
1143	Pattern formation outside of equilibrium. <b>1993</b> , 65, 851-1112		5971
1142	Marangoni-convection in a rotating liquid container. <b>1993</b> , 28, 131-138		15

1141	Numerical computation of thermocapillary-driven convection in an open cylindrical cavity with different aspect ratios. <b>1993</b> , 36, 4351-4363	4
1140	Straie in fluoride glasses. <b>1993</b> , 161, 52-55	3
1139	.	
1138	Thermocapillary convection in two immiscible liquid layers with free surface. <b>1993</b> , 5, 1914-1927	82
1137	Thermocapillary convection in a multilayer system. <b>1993</b> , 5, 1575-1582	29
1136	SURFACE TENSION AND BUOYANCY DRIVEN INSTABILITIES IN A LAYER OF LIQUID TIN HEATED FROM BELOW. <b>1993</b> , 124, 49-56	
1135	THE EFFECT OF A UNIFORM MAGNETIC FIELD ON THE ONSET OF MARANGONI CONVECTION IN A LAYER OF CONDUCTING FLUID. <b>1993</b> , 46, 211-248	15
1134	Non-Linear Marangoni Convection in a Layer of Finite Depth. <b>1993</b> , 21, 831-836	20
1133	Coupled buoyancy and thermocapillary convection in a viscoelastic Maxwell fluid. <b>1993</b> , 5, 4343-4352	14
1132	Phase and amplitude instabilities for Bhard-Marangoni convection in fluid layers with large aspect ratio. <b>1993</b> , 48, 3622-3634	77
1131	An Original Way to Select and Control Hydrodynamic Instabilities: Microwave Heating. <b>1993</b> , 28, 206-218	6
1130	Stability analysis of Benard-Marangoni convection in fluids with internal heat generation. <b>1994</b> , 27, 748-755	34
1129	Bursting of a Liquid Film on a Liquid Substrate. <b>1994</b> , 28, 421-426	38
1128	Temperature spectrum in surface tension driven Bhard convection. <b>1994</b> , 73, 541-544	8
1127	The effect of a uniform magnetic field on the onset of steady Marangoni convection in a layer of conducting fluid with a prescribed heat flux at its lower boundary. <b>1994</b> , 6, 3591-3600	24
1126	THERMOCAPILLARY-DRIVEN FLOW PAST THE MARANGONI INSTABILITY. <b>1994</b> , 26, 521-535	7
1125	Wärme- und Stoffübergang im Wasser/Ammoniak-Rieselfilm an glatten und rauhen Rohroberflächen. <b>1994</b> , 29, 251-264	3
1124	Interaction of the thermovibrational and thermocapillary convection mechanisms. <b>1994</b> , 29, 681-692	2

1123	Marangoni-Bhard convective instability driven by a heated divider. <b>1994</b> , 37, 493-498	5
1122	Bhard-Marangoni instability in a viscoelastic Jeffreys' fluid layer. <b>1994</b> , 33, 257-266	23
1121	The onset of steady Marangoni convection in a spherical geometry. <b>1994</b> , 28, 427-445	11
1120	Boundary effects on the Bhard-Marangoni instability under an electric field. <b>1994</b> , 52, 331-354	11
1119	Nonlinear electrohydrodynamic Kelvin-Helmholtz and Marangoni instabilities near the marginal state. <b>1994</b> , 45, 27-43	8
1118	Nonlinear evolution of two-magnetofluid instability. <b>1994</b> , 33, 441-458	
1117	Marangoni convection around a ventilated air bubble under microgravity conditions. <b>1994</b> , 49, 29-39	2
1116	Inhomogeneous precipitation patterns in a chemical wave. Effect of thermocapillary convection. <b>1994</b> , 227, 593-600	18
1115	Marangoni-Bhard instability in microgravity conditions with Soret effect. <b>1994</b> , 37, 1545-1562	12
1114	Morphological instability on Bhard-Marangoni convection during solidification: single-component system. <b>1994</b> , 37, 1935-1943	1
1113	Spoke patterns on molten silicon in Czochralski system. <b>1994</b> , 144, 20-28	57
1112	On a nonlinear thermocapillary effect in thin liquid layers. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 273, 361-374	70
1111	Thermocapillary driven flow past the Marangoni instability. <b>1994</b> ,	
1110	Mechanism of the Pattern Formation in Rayleigh-Bhard Convection. <b>1994</b> , 63, 101-110	8
1109	Marangoni Convection With a Deformable Surface. <b>1994</b> , 61, 681-688	
1108	Structure Formation in Heterogeneous Polymer Mixtures in the Presence of Mass Transfer across Interfaces. <b>1994</b> , 184, 219-232	1
1107	Effect of heat transfer additives on the instabilities of an absorbing falling film. <b>1995</b> , 50, 3077-3097	11
1106	Ignition process of a heated iron block in high-pressure oxygen atmosphere. <b>1995</b> , 100, 376-378	6

1105	Onset of Marangoni convection in a layer of fluid modulated by a weak nonplanar oscillatory shear. <b>1995</b> , 38, 2269-2279	8
1104	Marangoni-Bhard instability of a floating liquid layer with an internal, permeable, heated or cooled divider and two deformable open surfaces. <b>1995</b> , 38, 2723-2731	6
1103	Growth rates of the Marangoni instability in a layer of elastic liquid. <b>1995</b> , 34, 601-605	4
1102	Effect of surface tension gradients on stability of supported liquid membranes. <b>1995</b> , 107, 75-86	55
1101	Pattern formation in large-scale Marangoni convection with deformable interface. <b>1995</b> , 81, 117-147	82
1100	Hydrodynamic effects of hydrophilic Alconox <sup>®</sup> surfactant on the macromorphology of electrodeposited zinc and flow visualization. <b>1995</b> , 397, 127-138	1
1099	On the overstability of nonisothermal deformable layer. <b>1995</b> ,	
1098	IMPACT OF N-HEPTANE DROPLETS ON A HOT SURFACE IN LOW GRAVITY. <b>1995</b> , 19, 271-284	2
1097	Convective instabilities induced by an exothermic autocatalytic chemical reaction. <b>1995</b> , 52, 1606-1613	14
1096	On Bhard-Marangoni instability in the presence of a magnetic field. <b>1995</b> , 7, 1176-1178	10
1095	Nonlinear excitation of capillary waves by the Marangoni motion induced with a modulated laser beam. <b>1995</b> , 52, 16-19	321
1094	Finite-amplitude regimes of the short-wave Marangoni-Benard convective instability. <b>1995</b> , 52, 2603-2616	1
1093	Secondary instability in surface-tension-driven Bhard convection. <b>1995</b> , 52, R5772-R5775	45
1092	Planform selection in Bhard-Marangoni convection: l hexagons versus g hexagons. <b>1995</b> , 52, 6358-6367	31
1091	Long-wavelength instability in surface-tension-driven Bhard convection. <b>1995</b> , 75, 4397-4400	108
1090	Onset of Surface-Tension-Driven Bhard Convection. <b>1995</b> , 75, 1938-1941	113
1089	FLOW IN A CONTRACTILE TUBE AS A MODEL FOR PLASMODIAL STREAMING. <b>1995</b> , 48, 39-55	1
1088	Bhard-Marangoni Instability in an Electrically Conducting Fluid Layer with Temperature-Dependent Viscosity under a Magnetic Field. <b>1995</b> , 20,	4

- 1087 Surfactant effects on the dynamics of a thin liquid sheet. *Journal of Fluid Mechanics*, **1995**, 300, 71-85 3-7 23
- 1086 Interfacial instabilities in plane Poiseuille flow of two stratified viscoelastic fluids with heat transfer. Part 1. Evolution equation and stability analysis. *Journal of Fluid Mechanics*, **1995**, 299, 241-265 3-7 3
- 1085 Marangoni instabilities in liquid mixtures with Soret effects. *Journal of Fluid Mechanics*, **1995**, 293, 127-145 41 41
- 1084 Surface-tension-driven Bhard convection at infinite Prandtl number. *Journal of Fluid Mechanics*, **1995**, 283, 201-230 3-7 68
- 1083 Bilayer Rayleigh-Marangoni convection: transitions in flow structures at the interface. **1995**, 451, 487-502 6
- 1082 A mechanism for rivulet formation in heated falling films. *Journal of Fluid Mechanics*, **1996**, 321, 279-298 3-7 71
- 1081 Mesoscale shallow convection in the atmosphere. **1996**, 34, 403-431 223
- 1080 Three-dimensional simulations of Marangoni-Benard convection in small containers by the least-squares finite element method. **1996**, 1 1
- 1079 Convective instability of dielectric liquid subjected to unipolar injection of charge trough free surface.
- 1078 Bhard-Marangoni instability in a rotating liquid layer with a deformable free surface. **1996**, 56-68
- 1077 Surface deflection in Bhard-Marangoni convection. **1996**, 117-133 1
- 1076 Stokes flow at infinite Marangoni number: exact solutions for the spreading and collapse of a surfactant. **1996**, T67, 96-100 4
- 1075 Boundary effect on the Benard-Marangoni instability in a fluid-solid system. **1996**, 61, 1075-1084 0
- 1074 The onset of convection caused by buoyancy during transient heat conduction in deep fluids. **1996**, 51, 4127-4136 33
- 1073 Thermocapillary instability of a deformable liquid film. **1996**, 31, 655-660
- 1072 Thermocapillary instability of a liquid layer in the presence of a soluble surfactant. **1996**, 31, 1-5 3
- 1071 Effect of interfacial deformation on the onset of convective instability in a doubly diffusive fluid layer. **1996**, 39, 407-418 9
- 1070 Onset of Benard-Marangoni convection in a rotating liquid layer with nonuniform volumetric energy sources. **1996**, 17, 579-586 6

1069	Natural convection in droplet evaporation. <b>1996</b> , 54, 1640-1644		86
1068	Instability threshold in the Bhard-Marangoni problem. <b>1996</b> , 53, R2057-R2059		10
1067	Apparatus for the study of RayleighBhard convection in gases under pressure. <b>1996</b> , 67, 2043-2067		122
1066	Nonlinear analysis of the coupling between interface deflection and hexagonal patterns in Rayleigh-Bhard-Marangoni convection. <b>1996</b> , 53, 5982-5992		5
1065	Hexagonal convection cells under conditions of vertical symmetry. <b>1996</b> , 53, R2037-R2040		23
1064	Square patterns in Bhard-Marangoni convection. <b>1996</b> , 76, 46-49		45
1063	Onset of stationary Bhard - Marangoni convection in a fluid layer with variable surface tension and viscosity. <b>1997</b> , 30, 3286-3295		7
1062	Linear Bhard-Marangoni instability in rigid circular containers. <b>1997</b> , 56, 520-530		34
1061	Interfacial Energy Balance Equation for Surface-Tension-Driven Bhard Convection. <b>1997</b> , 78, 4395-4397		8
1060	Comment I on Instability threshold in the Bhard-Marangoni problem□ <b>1997</b> , 56, 4896-4896		2
1059	Comment II on Instability threshold in the Bhard-Marangoni problem□ <b>1997</b> , 56, 4897-4898		2
1058	On the linear growth rates of the long-wave modes in BhardMarangoni convection. <b>1997</b> , 9, 2455-2457		16
1057	A theoretical analysis of the onset of surface-tension-driven convection in a horizontal liquid layer cooled suddenly from above. <b>1997</b> , 9, 7-15		37
1056	Long-wavelength surface-tension-driven Bhard convection: experiment and theory. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 345, 45-78	3.7	201
1055	Inertial BhardMarangoni convection. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 350, 149-175	3.7	26
1054	Review Article. <b>1997</b> , 22, 1-19		11
1053	New types of long-wave oscillatory Marangoni instabilities in multilayer systems. <b>1997</b> , 50, 149-163		10
1052	Bhard-Marangoni Instability In A Layer Of Micropolar Fluid. <b>1997</b> , 22,		0

1051	Hydrothermal wave instability of thermocapillary-driven convection in a coplanar magnetic field. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 347, 141-169	3-7	9
1050	Microscales of Turbulent Heat and Mass Transfer. <b>1997</b> , 30, 1-91		21
1049	Spin Coating. <b>1997</b> , 709-734		21
1048	EVAPORATION-INDUCED CELLULAR CONVECTION IN THIN LIQUID LAYERS. <b>1997</b> , 10, 191-205		3
1047	Effects of Coriolis force and surface tension on Bhard-Marangoni convective instability. <b>1997</b> , 40, 1447-1458		5
1046	Thermo-capillary convection in a flowing liquid jet. <b>1997</b> , 1, 233-246		0
1045	Bhard convection ZnO/resin lacquer coating a new approach to electrostatic dissipative coating. <b>1997</b> , 93, 267-273		40
1044	Coupled double-diffusive thermocapillary instability: Linear and nonlinear analysis. <b>1997</b> , 32, 343-364		4
1043	Oscillatory instability analysis of Bhard-Marangoni convection in a rotating fluid with internal heat generation. <b>1997</b> , 40, 857-867		9
1042	The effect of uniform internal heat generation on the onset of steady Marangoni convection in a horizontal layer of fluid. <b>1997</b> , 124, 63-78		15
1041	Self-organization in dry photopolymerized acrylate films 1. Irreversible thermodynamics analysis. <b>1997</b> , 102, 245-251		7
1040	Resonant interactions in Bhard-Marangoni convection in cylindrical containers. <b>1997</b> , 99, 487-502		14
1039	Rayleigh-Marangoni thermoconvective instability with non-Boussinesq corrections. <b>1997</b> , 40, 785-798		13
1038	The role of thermocapillary instability in heat transfer in a liquid metal pool. <b>1997</b> , 40, 881-891		11
1037	Marangoni-Stress-Driven "Solitonic" (Periodic) Wave Trains Rotating in an Annular Container during Heat Transfer. <b>1997</b> , 187, 159-65		10
1036	Three-Dimensional Simulation of Instabilities and Rivulet Formation in Heated Falling Films. <b>1997</b> , 131, 70-88		21
1035	Mechanism of absorption enhancement by surfactant. <b>1997</b> , 40, 1743-1752		57
1034	Theoretical examination for the onset of oscillatory Marangoni convection in liquid bridge. <b>1997</b> , 182, 485-492		1

1033	Weakly non-linear Marangoni instability in the presence of a magnetic field. <b>1998</b> , 41, 1327-1337	2
1032	Influence of liquid bridge volume on instability of floating half zone convection. <b>1998</b> , 41, 825-837	64
1031	Influence of the thickness of the liquid layer on the ratio of the dimensions of a convection cell. <b>1998</b> , 43, 1275-1279	5
1030	Oscillatory instability analysis of Bhard-Marangoni convection in a rotating fluid under a uniform magnetic field. <b>1998</b> , 41, 2667-2675	10
1029	2D and 3D Marangoni pattern selection in shallow cavities. <b>1998</b> , 22, 1223-1226	2
1028	Stationary Solutal Marangoni Instability in a Two-Layer System. <b>1998</b> , 203, 354-68	28
1027	The Effect of Surfactant Monolayers on the Heat Transfer Through Air/Water and Oil/Water Interfaces Using IR Imaging Technique. <b>1998</b> , 205, 531-534	17
1026	MarangoniBhard Convection with a Deformable Free Surface. <b>1998</b> , 145, 193-227	16
1025	Convective instabilities and transport properties in horizontal fluid layers. <b>1998</b> , 15, 192-198	20
1024	Three-dimensional simulations of Marangoni-Benard convection in small containers by the least-squares finite element method. <b>1998</b> , 160, 71-88	2
1023	Steady thermocapillary and buoyancy driven flow in two-dimensional slots. <b>1998</b> , 17, 773-780	4
1022	Effect of Brinkman boundary layer on the onset of Marangoni convection in a fluid-saturated porous layer. <b>1998</b> , 127, 235-246	9
1021	RAYLEIGH-BNARD-MARANGONI INSTABILITIES DURING EVAPORATION OF AQUEOUS ALCOHOL SOLUTIONS, DETECTED BY PYROELECTRIC SENSORS. <b>1998</b> , 26, 133-144	
1020	Study of Marangoni instability of an evaporating liquid layer. <b>1998</b> , 21, 547-562	10
1019	Modeling Density-Driven Flow in Porous Media. <b>1998</b> ,	154
1018	Drops, liquid layers and the Marangoni effect. <b>1998</b> , 356, 829-844	38
1017	Evolutionary Dissipative Structures in Photopolymerized Polyacrylate Films. <b>1998</b> , 102, 7714-7720	1
1016	Electrohydrodynamic instability in a thin fluid layer with an electrical conductivity gradient. <b>1998</b> , 10, 301-311	85

1015	On the Growth of Highly Ordered Pores in Anodized Aluminum Oxide. <b>1998</b> , 10, 2470-2480		633
1014	EXPERIMENTAL STUDY OF MARANGONI-BENARD CONVECTION IN A LIQUID LAYER INDUCED BY EVAPORATION. <b>1998</b> , 11, 187-205		44
1013	Convective instability of a gravity modulated fluid layer with surface tension variation. <b>1998</b> ,		3
1012	Marangoni instability of liquid with partially free surface. <b>1998</b> ,		
1011	Thermocapillary and oscillatory-shear instabilities in a layer of liquid with a deformable surface. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 360, 21-39	3-7	15
1010	Marangoni convection in binary mixtures with Soret effect. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 375, 143-173		89
1009	BACK MATTER. <b>1998</b> , 219-245		
1008	Fluorescence visualization of a convective instability which modulates the spreading of volatile surface films. <b>1998</b> , 10, 1588-1596		17
1007	Marangoni instability of two liquids mixing at a free surface. <b>1998</b> , 10, 3038-3040		14
1006	Dynamics of spontaneous spreading with evaporation on a deep fluid layer. <b>1998</b> , 10, 23-38		71
1005	Nonlinear Marangoni waves in multilayer systems. <b>1998</b> , 58, 5765-5775		16
1004	Turbulent Bhard-Marangoni Convection: Results of Two-Dimensional Simulations. <b>1998</b> , 80, 1216-1219		20
1003	The stability of evaporating thin liquid films in the presence of surfactant. I. Lubrication approximation and linear analysis. <b>1998</b> , 10, 131-143		37
1002	Two-layer Bhard-Marangoni instability and the limit of transverse and longitudinal waves. <b>1998</b> , 57, 2872-2884		19
1001	Thermal properties in surface-tension-driven convection. <b>1998</b> , 57, 475-481		14
1000	Convection-Induced Patterns in Phase-Separating Polymeric Fluids. <b>1998</b> , 81, 3427-3430		119
999	The Least-Squares Finite Element Method. <b>1998</b> ,		204
998	Bhard-Marangoni convection: planforms and related theoretical predictions. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 368, 165-194	3-7	43

997	The capillary effect promoting collision and agglomeration of inclusion particles at the inert gas/steel interface. <b>1998</b> , 356, 957-966		29
996	Thermocapillary Driven Turbulent Heat Transfer. <b>1998</b> , 120, 214-219		3
995	Square cells in surface-tension-driven Bénard convection: experiment and theory. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 356, 155-197	3.7	80
994	Exact and approximate solutions to the double-diffusive Marangoni-Bénard problem with cross-diffusive terms. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 366, 109-133	3.7	18
993	Thermocapillary surface tension driven flows. <b>1999</b> ,		
992	Doubly Diffusive Convection Due to a Point Source at Various Depths in a Stratified Fluid. <b>1999</b> , 15, 27-33		
991	A tutorial on the Rayleigh-Marangoni-Benard problem with multiple layers and side wall effects. <b>1999</b> , 9, 124-140		29
990	Investigation of thermocapillary convection in a three-liquid-layer system. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 389, 209-228	3.7	26
989	Auto-oscillation of surface tension. <b>1999</b> , 60, 2029-36		67
988	Convection in the presence of a first-order phase change. <b>1999</b> , 60, 539-50		5
987	Microgravity Experiment and Linear and Nonlinear Analyses of the Dissipative Structure of Thermomagnetic Convection. <b>1999</b> , 13, 2052-2059		1
986	The Bénard-Marangoni-Instability in small circular containers under microgravity: Experimental results. <b>1999</b> , 24, 1347-1356		10
985	The effect of a uniform vertical magnetic field on the onset of oscillatory marangoni convection in a horizontal layer of conducting fluid. <b>1999</b> , 132, 129-146		15
984	Mechanisms of convection instability in thin liquid layers induced by evaporation. <b>1999</b> , 26, 1069-1080		39
983	The effect of a uniform vertical magnetic field on the linear growth rates of steady Marangoni convection in a horizontal layer of conducting fluid. <b>1999</b> , 42, 525-533		5
982	Control of Marangoni-Bénard convection. <b>1999</b> , 42, 1327-1341		55
981	Exact solution to stationary onset of convection due to surface tension variation in a multicomponent fluid layer with interfacial deformation. <b>1999</b> , 42, 2387-2398		8
980	Technical Note Marangoni instability of a layer of binary liquid in the presence of nonlinear Soret effect. <b>1999</b> , 42, 3007-3011		18

979	The onset of Bhard--Marangoni convection in a horizontal layer of fluid. <b>1999</b> , 37, 643-662		15
978	Three-dimensional numerical simulation of spoke pattern in oxide melt. <b>1999</b> , 200, 204-212		48
977	The studies of KNbO3 cellular growth in high-temperature solution at microgravity. <b>1999</b> , 206, 81-87		8
976	The onset of steady Bhard-Marangoni convection in a two-layer system of conducting fluid in the presence of a uniform magnetic field. <b>1999</b> , 35, 385-404		2
975	The onset of oscillatory Marangoni convection in a semi-infinitely deep layer of fluid. <b>1999</b> , 50, 546		7
974	Effect of throughflow on Marangoni convection in micropolar fluids. <b>1999</b> , 138, 211-217		7
973	Exact analysis of Marangoni convection with throughflow. <b>1999</b> , 136, 109-117		11
972	Influence of viscosity variation on the stationary Bhard-Marangoni instability with a boundary slab of finite conductivity. <b>1999</b> , 135, 181-198		10
971	Parallel finite element solution of three-dimensional RayleighBhardMarangoni flows. <b>1999</b> , 31, 37-52		9
970	A New Spectral-like Method to Model Surface Tension Driven Convection Near a Deforming Interface. <b>1999</b> , 13, 1-24		1
969	Combined action of different mechanisms of convective instability in multilayer systems. <b>1999</b> , 59, 6672-86		16
968	Cascade of structures in long-wavelength Marangoni instability. <b>1999</b> , 11, 1484-1494		55
967	Linear Stability of Bhard-Marangoni Convection in Two-Layer System with an Undeformable Interface. <b>1999</b> , 68, 461-470		
966	Instabilities of dynamic thermocapillary liquid layers with magnetic fields. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 382, 87-108	3-7	3
965	BhardMarangoni convection at low Prandtl number. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 399, 251-275	3-7	25
964	Numerical simulation of pattern formation in the BhardMarangoni convection. <b>2000</b> , 12, 1389-1400		13
963	Three-dimensional instability of a liquid layer flowing down a heated vertical cylinder. <b>2000</b> , 12, 2198-2209		24
962	Linear and nonlinear RayleighBe nardMarangoni instability with surface deformations. <b>2000</b> , 12, 2787		20

961	The Relation Between Mantle Dynamics and Plate Tectonics: A Primer. <b>2000</b> , 5-46		72
960	The numerical analysis of bifurcation problems with application to fluid mechanics. <b>2000</b> , 9, 39-131		81
959	Hydrothermal wave instability of thermocapillary-driven convection in a transverse magnetic field. <i>Journal of Fluid Mechanics</i> , <b>2000</b> , 404, 211-250	3-7	8
958	Rayleigh-Marangoni oscillatory instability in a horizontal liquid layer heated from above: coupling and mode mixing of internal and surface dilational waves. <i>Journal of Fluid Mechanics</i> , <b>2000</b> , 405, 57-77	3-7	29
957	Linear stability analysis on surface tension-induced instability of LiBr aqueous solution absorbing water vapor. <b>2000</b> , 29, 581-597		
956	Onset of solutal marangoni convection in a suddenly desorbing liquid layer. <b>2000</b> , 46, 15-23		35
955	Thermocapillary effect on drying of a polymer solution under non-uniform radiant heating. <b>2000</b> , 43, 2155-2175		15
954	On the mechanism and kinetics of the transport processes in systems with intensive interphase mass transfer. 1.: Heat and mass transfer. <b>2000</b> , 43, 2749-2757		10
953	On the mechanism and kinetics of the transport processes in systems with intensive interphase mass transfer. 2.. <b>2000</b> , 43, 2759-2766		9
952	A semiquantitative analysis of the dynamics of a Goldman-type vaporiser. <b>2000</b> , 55, 557-70		1
951	Double-diffusive instability in free diffusing layers: a general formulation. <b>2000</b> , 292, 136-152		11
950	Combined action of anticonvective and thermocapillary mechanisms of instability in multilayer systems. <b>2000</b> , 19, 123-137		4
949	Interfacial instabilities in thin stratified viscous fluids under microgravity. <b>2000</b> , 26, 203-217		11
948	Weakly nonlinear analysis of Bhard-Marangoni instability in viscoelastic fluids. <b>2000</b> , 89, 63-95		32
947	On Marangoni instability during desorption accompanied by evaporation. <b>2000</b> , 43, 125-131		9
946	Effect of the marangoni convection on the injection mechanism of instability. <b>2000</b> , 45, 17-21		0
945	Effect of non-uniform basic temperature gradient on the onset of Marangoni convection in a fluid with suspended particles. <b>2000</b> , 4, 517-523		8
944	Thermocapillary instability of a liquid layer with allowance for the soret effect. <b>2000</b> , 35, 315-320		1

943	Planform selection in two-layer Benard-marangoni convection. <b>2000</b> , 62, 6540-53		15
942	Bromomalonic-acid-induced transition from trigger wave to big wave in the Belousov-Zhabotinsky reaction. <b>2000</b> , 61, 5326-9		25
941	Benard-Marangoni convection in two-layered liquids. <b>2000</b> , 84, 3590-3		34
940	Evaporation of Sessile Drops: Application of the Quartz Crystal Microbalance. <b>2000</b> , 16, 4024-4033		30
939	Convection in Polymeric Fluids Subjected to Vertical Temperature Gradients. <b>2000</b> , 33, 4972-4978		53
938	Rings and Hexagons Made of Nanocrystals: A Marangoni Effect. <b>2000</b> , 104, 11871-11877		187
937	Autooscillations of Surface Tension in Water-Alcohol Systems. <b>2000</b> , 104, 7987-7992		53
936	Nonlinear dynamics of three-dimensional long-wave Marangoni instability in thin liquid films. <b>2000</b> , 12, 1633-1645		91
935	The onset of stationary Marangoni instability of an evaporating droplet. <b>2001</b> , 457, 885-909		15
934	Evaporative instabilities in climbing films. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 442, 217-239	3-7	72
933	Instability of a gravity-modulated fluid layer with surface tension variation. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 434, 243-271	3-7	20
932	The Critical Role of Solvent Evaporation on the Roughness of Spin-Cast Polymer Films. <b>2001</b> , 34, 4669-4672		202
931	Geophysics. Top-down tectonics?. <b>2001</b> , 293, 2016-8		159
930	Interfacial conditions during evaporation or condensation of water. <b>2001</b> , 64, 051509		111
929	EFFECT OF STEPWISE CHANGE OF DRYING RATE ON MICROSTRUCTURE EVOLUTION IN POLYMER FILMS. <b>2001</b> , 19, 1397-1410		17
928	Rational solvent selection strategies to combat striation formation during spin coating of thin films. <b>2001</b> , 16, 1145-1154		98
927	Onset of oscillatory interfacial instability and wave motions in Bhard layers. <b>2001</b> , 37, 167-238		35
926	Self-Assembled Honeycomb Networks of Gold Nanocrystals. <b>2001</b> , 1, 595-600		109

925	Micromanipulation of Langmuir-Monolayers with Optical Tweezers. <b>2001</b> , 105, 182-187	54
924	Marangoni Instability in a Finite Container-Transition Between Short and Long Wavelengths Modes. <b>2001</b> , 123, 96-104	8
923	Mass transfer through the gas-liquid interface at the presence of adsorbed active phospholipid monolayer. <b>2001</b> , 133, 283-288	1
922	Buoyant-thermocapillary instabilities in extended liquid layers subjected to a horizontal temperature gradient. <b>2001</b> , 13, 2773-2787	131
921	Coupling between Marangoni and Rosensweig instabilities. <b>2001</b> , 16, 217-229	8
920	Suction-injection effects on the onset of Rayleigh-Bhard-Marangoni convection in a fluid with suspended particles. <b>2001</b> , 152, 241-252	12
919	On the marginal mode for the onset of oscillatory Marangoni convection with internal heat generation. <b>2001</b> , 148, 157-164	2
918	Thermal Marangoni Convection of a Fluid Film Coating a Deformable Membrane. <b>2001</b> , 234, 106-116	5
917	Faraday Ripples, Parametric Resonance, and the Marangoni Effect. <b>2001</b> , 238, 16-23	16
916	The role of surface-tension-driven flow in the formation of a surface pattern on a Czochralski silicon melt. <b>2001</b> , 233, 99-107	62
915	Numerical simulation of the stability of steadily cooled flowing layer. <b>2001</b> , 44, 99-110	3
914	EXPERIMENTS ON THERMOCAPILLARY INSTABILITIES. <b>2001</b> , 33, 93-127	250
913	Effects of a.c. Electric Field and Rotation on Bhard-Marangoni Convection. <b>2001</b> , 67, 185-204	12
912	Effects of initial molten pool and Marangoni flow on solid melting. <b>2001</b> , 44, 457-470	20
911	Thermal instability in a three-dimensional rigid container with prescribed heat flux at lower boundary. <b>2001</b> , 39, 1315-1325	1
910	Marangoni Instabilities In A Two Layer Fluid System. <b>2001</b> , 26,	
909	Instabilities By Local Heating Below an Interface. <b>2001</b> , 25,	
908	Nondestructive measurement of striation defect spacing using laser diffraction. <b>2001</b> , 16, 3355-3360	6

907	Oscillatory Instability and High-Frequency Wave Modes in a Marangoni-Bhard Layer with Deformable Free Surface. <b>2001</b> , 25,	
906	HEXAGONAL STRUCTURE IN INTERMEDIATE ASPECT RATIO BhardMARANGONI CONVECTION. <b>2001</b> , 11, 2779-2787	4
905	CONVECTIVE INSTABILITIES IN HOMEOTROPIC NEMATICS: PATTERNS AND DYNAMICAL EFFECTS IN NONLINEAR REGIMES. <b>2001</b> , 11, 2751-2757	1
904	Power-law scaling in Bhard-Marangoni convection at large Prandtl numbers. <b>2001</b> , 64, 027303	7
903	Coupled capillary and gravity-driven instability in a liquid film overlying a porous layer. <b>2001</b> , 64, 066304	23
902	Gas spreading on a heated wall wetted by liquid. <b>2001</b> , 64, 051602	29
901	Stability of hexagonal patterns in Bhard-Marangoni convection. <b>2001</b> , 63, 066307	6
900	Molecular dynamics study of n-alcohols adsorbed on an aqueous electrolyte solution. <b>2001</b> , 115, 1538-1549	11
899	Rayleigh-Marangoni convection in a critical fluid: a tale of two crossovers. <b>2001</b> , 64, 016311	1
898	Nanostructured cellular networks. <b>2002</b> , 89, 248303	86
897	Instabilities and spatio-temporal chaos of long-wave hexagon patterns in rotating Marangoni convection. <b>2002</b> , 12, 706-718	4
896	Patterning of small particles by a surfactant-enhanced Marangoni-Bhard instability. <b>2002</b> , 88, 164501	169
895	Dynamics of a vertically falling film in the presence of a first-order chemical reaction. <b>2002</b> , 14, 2402	17
894	Convective Instability in Transient Evaporating Thin Liquid Layers. <b>2002</b> , 27,	1
893	Interactions between Drops and Hot Surfaces. <b>2002</b> , 185-217	8
892	References. <b>2002</b> , 237-248	
891	Laboratory and numerical investigations on BhardMarangoni convection in circular vessels. <b>2002</b> , 14, 277-288	11
890	Removal of Mode 10 Surface Ripples in ICF PAMS Shells. <b>2002</b> , 41, 209-213	11

889	Combined action of anticonvective and thermocapillary mechanisms of instability. <b>2002</b> , 14, 3855-3867	5
888	Oscillation of Interfacial Tension and Spontaneous Interfacial Flow at a Water/Oil Interface Composed of Di(2-ethylhexyl)phosphoric Acid. <b>2002</b> , 18, 5516-5522	39
887	A Case Study in Striation Prevention by Targeted Formulation Adjustment: Aluminum Titanate Sol-Gel Coatings. <b>2002</b> , 14, 1488-1492	22
886	Ordered morphologies in polymeric films produced by replication of convection patterns. <b>2002</b> , 124, 1142-3	18
885	Thermal convection in a cylindrical annulus heated laterally. <b>2002</b> , 35, 4067-4083	35
884	On competition between modes at the onset of Bhard-Marangoni convection in a layer of fluid. <b>2002</b> , 43, 387-395	
883	Onset of Rayleigh-Bhard Convection in Porous Bodies. <b>2002</b> , 82-112	32
882	Challenges in forming successful mixed matrix membranes with rigid polymeric materials. <b>2002</b> , 86, 881-890	283
881	Two-Fluid Marangoni-Bhard Convection with a Deformable Interface. <b>2002</b> , 182, 277-300	12
880	On pressure boundary conditions for thermoconvective problems. <b>2002</b> , 39, 391-402	22
879	Pattern formation in solutal convection: vermiculated rolls and isolated cells. <b>2002</b> , 314, 291-298	6
878	Onset of Marangoni instability of a two-component evaporating droplet. <b>2002</b> , 45, 5143-5158	30
877	The effect of high-frequency vibration on the onset of Marangoni convection in a horizontal liquid layer. <b>2002</b> , 66, 559-568	3
876	Evaporation-induced pattern formation in polymer films via secondary phase separation. <b>2002</b> , 57, 2901-2905	14
875	Oscillatory dynamics induced by spinodal decomposition at interface with adsorption and desorption. <b>2002</b> , 365, 197-202	6
874	Soret effect and slow mass diffusion as a catalyst for overstability in Marangoni-Bhard flows. <b>2003</b> , 40, 105-114	4
873	Effects of nonuniform temperature gradients on the onset of oscillatory Marangoni convection in a magnetic field. <b>2003</b> , 161, 17-30	5
872	Oscillatory Marangoni convection in a conducting fluid layer with a deformable free surface in the presence of a vertical magnetic field. <b>2003</b> , 164, 199-215	14

871	Marangoni electroconvection in the presence of an electric field in a fluid heated from above. <b>2003</b> , 166, 217-229		0
870	Surface textures induced by convection in thin films of polymeric and polymerizable fluids. <b>2003</b> , 48, 227-235		19
869	Evaporation-induced Benard convection in a thin liquid layer. <b>2003</b> , 27, 255-264		3
868	Formation of Regular Hole Pattern in Polymer Films. <b>2003</b> , 204, 125-130		63
867	Transient instability of the flow induced by an impulsively started rotating cylinder. <b>2003</b> , 58, 149-156		7
866	On the non-stationary evaporation kinetics.. <b>2003</b> , 46, 1679-1685		9
865	Effect of surface tension on convection in a binary fluid layer under a zero gravity environment. <b>2003</b> , 46, 1759-1771		13
864	Control of the morphology of nanostructured particles prepared by the spray drying of a nanoparticle sol. <b>2003</b> , 265, 296-303		262
863	The spreading of surfactant solutions on thin liquid films. <b>2003</b> , 106, 183-236		82
862	Stripe pattern breakup in evaporating liquid layer on a plane with horizontal temperature gradient. <b>2003</b> , 42, 395-402		7
861	Interfacial turbulence in evaporating liquids: Theory and preliminary results of the ITEL-master 9 sounding rocket experiment. <b>2003</b> , 32, 119-127		36
860	BhardMarangoni convection in a strongly evaporating fluid. <b>2003</b> , 185, 196-208		52
859	Suppression of phase-separation pattern formation in blend films with block copolymer compatibilizer. <b>2003</b> , 41, 1697-1700		6
858	Longwave Marangoni convection in an inhomogeneously heated liquid. <b>2003</b> , 96, 719-729		1
857	Marangoni instability of a thin liquid film heated from below by a local heat source. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 475, 377-408	3-7	127
856	Effects of solute mass transfer on the stability of capillary jets. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 474, 95-115	3-7	4
855	Stability and Instability in Viscous Fluids. <b>2003</b> , 223-287		3
854	Influence of Surfactants on an Evaporating Drop: Fluorescence Images and Particle Deposition Patterns. <b>2003</b> , 19, 8271-8279		136

853	Marangoni instability of a thin liquid film resting on a locally heated horizontal wall. <b>2003</b> , 67, 056315	35
852	Influence of a nonlinear reference temperature profile on oscillatory Bhard-Marangoni convection. <b>2003</b> , 68, 066310	5
851	Interfacial nonequilibrium and Bhard-Marangoni instability of a liquid-vapor system. <b>2003</b> , 68, 041601	47
850	Oscillatory Rayleigh-Marangoni convection in a layer heated from above: numerical simulations with an undeformable free surface. <b>2003</b> , 67, 027303	1
849	Thermocapillary convection with moving contact points. <b>2003</b> , 15, 442-454	4
848	Flow induced patterning at the air/water interface. <b>2003</b> , 15, L45	15
847	Fluid Dynamics, Nonequilibrium. <b>2003</b> ,	
846	The influence of liquid pool temperature on the critical impact Weber number for splashing. <b>2003</b> , 15, 257-260	24
845	Explicit Analytical Solutions of Linear and Nonlinear Interior Heat and Mass Transfer Equation Sets for Drying Process. <b>2003</b> , 125, 175-178	12
844	Surface Energy Variation Effect on the Onset of Thermocapillary Instability of a Thin Liquid Layer Heated from the Side. <b>2003</b> , 125, 63-69	3
843	Forward and backward laser-guided motion of an oil droplet. <b>2004</b> , 70, 046301	57
842	Long-wavelength thermocapillary instability with the Soret effect. <b>2004</b> , 69, 016313	54
841	Effect of substance properties on the appearance and characteristics of repeated surface tension auto-oscillation driven by Marangoni force. <b>2004</b> , 69, 016307	26
840	Falling films and the Marangoni effect. <b>2004</b> , 69, 056310	19
839	Turbulent transition of thermocapillary flow induced by water evaporation. <b>2004</b> , 69, 056308	99
838	Evaporation self-induced Marangoni motion in fed capillaries for volatile liquids in open air. <b>2004</b> , 29,	6
837	On Marangoni convective patterns driven by an exothermic chemical reaction in two-layer systems. <b>2004</b> , 16, 1082-1096	49
836	Thermocapillary convection in the over-filled and partially filled cavities. <b>2004</b> , 16, 212-215	

835	Study on different planforms of paint solvents and the effect of surfactants (on them). <b>2004</b> , 49, 229-235	23
834	Influence of evaporation on Bhard-Marangoni instability in a liquid-gas bilayer with a deformable interface. <b>2004</b> , 40, 327-335	15
833	Growth rates of Bhard-Marangoni convection in a fluid layer in the presence of a magnetic field. <b>2004</b> , 15, 22-27	4
832	Thermorheological effect on magnetoconvection in weak electrically conducting fluids under 1g or $\bar{g}$ . <b>2004</b> , 62, 61-68	8
831	Multi-factorial study of the absorption process of H <sub>2</sub> O(vap) by a LiBr(aq) in a horizontal tube bundle using 2-ethyl-1-hexanol as surfactant. <b>2004</b> , 47, 3355-3373	8
830	Theoretical analysis of Marangoni instability of an evaporating droplet by energy method. <b>2004</b> , 47, 3811-3823	13
829	Effects of gas phase and additive properties on Marangoni instability for absorption process in a horizontal fluid layer. <b>2004</b> , 27, 140-149	7
828	Thermocapillary flow in a shallow molten silicon pool with Czochralski configuration. <b>2004</b> , 266, 88-95	19
827	Education and tutorial in modeling of elementary flows, heat and mass transfer during crystal growth in ground-based and microgravity environment. <b>2004</b> , 266, 388-395	2
826	Wave dynamics on a thin-liquid film falling down a heated wall. <b>2004</b> , 50, 177-208	40
825	Thermocapillary flow without return flow in near flow. <b>2004</b> , 36, 938-945	14
824	Solitons as dissipative structures. <b>2004</b> , 98, 272-280	10
823	Effect of modulation on onset of thermal convection of a second-grade fluid layer. <b>2004</b> , 39, 1647-1657	5
822	Comments on "The onset of transient convection in bottom heated porous media" by K.-K. Tan, T. Sam and H. Jamaludin: Rayleigh and Biot numbers. <b>2004</b> , 47, 641-643	8
821	Instability analysis of Marangoni convection for absorption process accompanied by heat transfer. <b>2004</b> , 47, 2395-2402	11
820	Marangoni instability in binary liquid-liquid systems. <b>2004</b> , 47, 3269-3278	20
819	Marangoni heat transfer in subcooled nucleate pool boiling. <b>2004</b> , 47, 5115-5128	57
818	Combined action of anticonvection and thermocapillarity in two- and three-layer systems. <b>2004</b> , 332, 597-604	

817	Method to determine the critical concentration Rayleigh number in isothermal passive membrane transport processes. <b>2004</b> , 168, 397-412	11
816	Flow-induced patterning of Langmuir monolayers. <b>2004</b> , 20, 5651-4	6
815	Surface Tension Gradients Induced by Temperature: The Thermal Marangoni Effect. <b>2004</b> , 81, 824	30
814	Introduction. <b>2005</b> , xvi-xxii	
813	Fluid field equations and modal analysis in rigid containers. <b>2005</b> , 3-87	
812	Linear forced sloshing. <b>2005</b> , 88-155	
811	Weakly nonlinear lateral sloshing. <b>2005</b> , 209-295	
810	References. <b>2005</b> , 833-939	
809	Coating Rheology. <b>2005</b> , 2-1-2-14	
808	Surface-tension-driven instabilities of a pure liquid layer evaporating into an inert gas. <b>2005</b> , 285, 296-305	82
807	Weakly nonlinear study of Marangoni instabilities in an evaporating liquid layer. <b>2005</b> , 283, 522-32	12
806	Improved 1.5-sided model for the weakly nonlinear study of Bhard-Marangoni instabilities in an evaporating liquid layer. <b>2005</b> , 290, 220-30	21
805	Effect of a non-uniform basic temperature gradient on the onset of Bhard-Marangoni convection: Stationary and oscillatory analyses. <b>2005</b> , 32, 192-203	8
804	Solutal Bhard-Marangoni instability as a growth mechanism for single-walled carbon nanotubes. <b>2005</b> , 43, 986-993	12
803	Hydrodynamic instabilities under microgravity in a differentially heated long liquid bridge with aspect ratio near the Rayleigh-limit: Experimental results. <b>2005</b> , 36, 36-42	11
802	Experiments on the role of gas height in the Rayleigh-Marangoni instability problem. <b>2005</b> , 289, 271-5	5
801	Stability of Thermocapillary Flow in a Flat Layer with Allowance for the Soret Effect. <b>2005</b> , 46, 685-690	
800	Viscous damping and sloshing suppression devices. <b>2005</b> , 156-206	

799	Microgravity sloshing dynamics. <b>2005</b> , 752-832	1
798	Foreword. <b>2005</b> , xii-xiii	
797	Equivalent mechanical models. <b>2005</b> , 296-337	1
796	Parametric sloshing: Faraday waves. <b>2005</b> , 338-404	1
795	Dynamics of liquid sloshing impact. <b>2005</b> , 405-478	
794	Linear interaction with elastic containers. <b>2005</b> , 481-537	
793	Nonlinear interaction under external and parametric excitations. <b>2005</b> , 538-606	
792	Dynamics of rotating fluids. <b>2005</b> , 693-751	
791	Interaction with support structures and tuned sloshing absorbers. <b>2005</b> , 607-690	
790	Long-wave Marangoni instability in a binary-liquid layer with deformable interface in the presence of Soret effect: Linear theory. <b>2005</b> , 17, 104104	45
789	Convective oscillations in multilayer systems under the combined action of buoyancy and thermocapillary effect. <b>2005</b> , 17, 022103	12
788	Thermocapillary instability of core-annular flows. <b>2005</b> , 17, 102102	3
787	Experimental investigation of self-induced thermocapillary convection for an evaporating meniscus in capillary tubes using micro-particle image velocimetry. <b>2005</b> , 17, 052104	75
786	Comparison of Evaporative Instability with Marangoni Instability. <b>2005</b> , 44, 1342-1348	4
785	Marangoni-Bard Instability with the Exchange of Evaporation at Liquid-Vapour Interface. <b>2005</b> , 22, 402-404	12
784	Surface-thermal capacity of from measurements made during steady-state evaporation. <b>2005</b> , 72, 056304	33
783	Surface excess properties from energy transport measurements during water evaporation. <b>2005</b> , 72, 056302	50
782	Wetting film dynamics during evaporation under weightlessness in a near-critical fluid. <b>2005</b> , 72, 031602	21

781	Thermocapillary transport of energy during water evaporation. <b>2005</b> , 72, 056303		51
780	ON THE NONLINEAR STABILITY OF MARANGONI-BÉNARD PROBLEM WITH FREE SURFACE IN THE BOUSSINESQ APPROXIMATION. <b>2005</b> , 15, 1-22		9
779	Marangoni convection and heat transfer in thin liquid films on heated walls with topography: Experiments and numerical study. <b>2005</b> , 17, 062106		49
778	Thermocapilarity-induced vortexes and liquid film dynamics on structured heated walls. <b>2005</b> , 30,		7
777	Linear Marangoni and Rayleigh-Taylor instabilities of a ferrofluid thick layer in a vertical magnetic field. <b>2005</b> , 30,		
776	Trapping and manipulation of particles and droplets using micro- toroidal convection currents.		5
775	Honeycomb pattern formation via polystyrene/poly(2-vinylpyridine) phase separation. <b>2005</b> , 21, 11085-91		47
774	Instabilities during the formation of electroactive polymer thin films. <b>2005</b> , 21, 2881-6		28
773	Analysis of the effects of Marangoni stresses on the microflow in an evaporating sessile droplet. <b>2005</b> , 21, 3972-80		624
772	On the flow-induced Marangoni instability due to the presence of surfactant. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 544, 173	3-7	26
771	Thermocapillary long waves in a liquid film flow. Part 1. Low-dimensional formulation. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 538, 199	3-7	76
770	Formation of parallel strips in thin films of polystyrene/poly(vinyl pyrrolidone) blends via spin coating on unpatterned substrates. <b>2006</b> , 22, 8029-35		28
769	Onset of Rayleigh-Bénard-Marangoni Convection in Gas-Liquid Mass Transfer with Two-Phase Flow: Theory. <b>2006</b> , 45, 3293-3302		21
768	Unordered Roll Flow Patterns of Interfacial Turbulence and Its Influence on Mass Transfer. <b>2006</b> , 39, 267-274		4
767	Chemically Driven Tension Fluctuation and Motion of Interface with Divalent Cation and Di(2-ethylhexyl)phosphoric Acid. <b>2006</b> , 79, 1696-1703		10
766	References. 408-416		
765	On the Onset of Marangoni Convection in a Rotating Fluid Layer. <b>2006</b> , 75, 035001		6
764	Scientific Biography of Henri Bénard (1874-1939). <b>2006</b> , 9-37		10

763	Bhard Convection and Geophysical Applications. <b>2006</b> , 103-125	
762	Thermocapillary Instabilities of Low Prandtl Number Fluid in a Laterally Heated Vertical Cylinder. <b>2006</b> , 128, 1228-1235	1
761	Ruptured conjugated polymer thin films formed during spin coating. <b>2006</b> , 44, 79-84	2
760	Effect of throughflow and magnetic field on Marangoni convection in micro-polar fluids. <b>2006</b> , 173, 1288-1299	
759	Marangoni instability and spontaneous non-linear oscillations produced at liquid interfaces by surfactant transfer. <b>2006</b> , 120, 1-31	67
758	Effects of Coriolis force and different basic temperature gradients on Marangoni ferroconvection. <b>2006</b> , 182, 113-124	9
757	Linear stability analysis of convection in two-layer system with an evaporating vapor-liquid interface. <b>2006</b> , 22, 109-119	5
756	Marangoni instabilities in small circular containers under microgravity. <b>2006</b> , 40, 942-950	15
755	On thermal instabilities in a viscoelastic fluid. <b>2006</b> , 41, 18-25	7
754	Regulation of tack development of acrylate films by the properties of the support. <b>2006</b> , 52, 2238-2242	
753	Interfacial Convection in Multilayer Systems. <b>2006</b> ,	
752	Vapour Recoil Effect on a VapourLiquid System with a Deformable Interface. <b>2006</b> , 23, 879-882	6
751	Evaporative and convective instability in the two-layer Marangoni-Bhard. <b>2006</b> ,	
750	Marangoni flows during drying of colloidal films. <b>2006</b> , 18, 082103	48
749	Shear-flow and thermocapillary interfacial instabilities in a two-layer viscous flow. <b>2006</b> , 18, 064109	5
748	Rayleigh-Bhard Convection: Thirty Years of Experimental, Theoretical, and Modeling Work. <b>2006</b> , 41-65	30
747	Linear and nonlinear theory of long-wave Marangoni instability with the Soret effect at finite Biot numbers. <b>2006</b> , 18, 054104	23
746	Dynamics of Spatio-Temporal Cellular Structures. <b>2006</b> ,	9

745	Marangoni effect and its influence on the mass transfer in packings. <b>2006</b> , 442-454	
744	Marangoni convection in an ewline Oldroyd-B fluid layer with ewline throughflow. <b>2007</b> , 85, 947-955	2
743	Experimental investigation of steady buoyant-thermocapillary convection near an evaporating meniscus. <b>2007</b> , 19, 082103	50
742	Thin Films of Soft Matter. <b>2007</b> ,	42
741	Transient enhancement of thermocapillary flow in a two-dimensional cavity by a surfactant. <b>2007</b> , 19, 042103	8
740	Solution of the adjoint problem for instabilities with a deformable surface: Rosensweig and Marangoni instability. <b>2007</b> , 19, 094103	10
739	Dynamics of a horizontal thin liquid film in the presence of reactive surfactants. <b>2007</b> , 19, 112102	36
738	Feedback Control of the Marangoni-Bhard Instability in a Fluid Layer with a Free-Slip Bottom. <b>2007</b> , 76, 014401	7
737	Nonlinear stability of viscous film flowing down an inclined plane with linear temperature variation. <b>2007</b> , 40, 5683-5690	18
736	Stability and transient dynamics of thin liquid films flowing over locally heated surfaces. <b>2007</b> , 76, 056306	33
735	Surface thermal capacity and its effects on the boundary conditions at fluid-fluid interfaces. <b>2007</b> , 75, 065303	24
734	Rayleigh-Bhard-Marangoni Instabilities of Low-Prandtl-Number Fluid in a Vertical Cylinder with Lateral Heating. <b>2007</b> , 51, 1119-1135	6
733	Laboratory Studies of Mantle Convection. <b>2007</b> , 89-165	8
732	Mantle Dynamics Past, Present, and Future: An Introduction and Overview. <b>2007</b> , 1-30	8
731	Introductory analysis of BhardMarangoni convection. <b>2007</b> , 28, 311-320	35
730	Bhard Convection. <b>2007</b> , 177-212	100
729	Convective instabilities in complex systems with partly free surface. <b>2007</b> , 64, 012001	7
728	Formation of nanowire striations driven by Marangoni instability in spin-cast polymer thin films. <b>2007</b> , 23, 10069-73	11

727	Onset of Marangoni Convection in a Horizontal Fluid Layer Experiencing Evaporative Cooling. <b>2007</b> , 46, 5775-5784	9
726	Hydrodynamic Stability. 800-890	
725	Mantle Dynamics Past, Present, and Future: An Introduction and Overview. <b>2007</b> , 1-30	4
724	Film formation from polymer solution using inkjet printing method. <b>2007</b> , 53, 1100-1108	24
723	Recent advances on thermocapillary flows and interfacial conditions during the evaporation of liquids. <b>2007</b> , 134-135, 201-23	58
722	Stabilities of combined radiation and Rayleigh-Bénard-Marangoni convection in an open vertical cylinder. <b>2007</b> , 50, 3035-3046	12
721	Chebyshev collocation methods in thermoconvective problems. <b>2007</b> , 146, 235-247	
720	Convection in thick and in thin fluid layers with a free surface □The influence of evaporation. <b>2007</b> , 146, 391-405	14
719	Interfacial hydrodynamic waves driven by chemical reactions. <b>2007</b> , 59, 207-220	10
718	Stability of thermocapillary convection and regimes of a fluid flow acted upon by a standing surface wave. <b>2007</b> , 80, 961-969	1
717	Thermocapillary convection and interface deformation in a liquid film within a micro-slot with structured walls. <b>2007</b> , 3, 207-215	7
716	The hydrothermal wave of large-Prandtl-number fluid in a shallow cavity. <b>2007</b> , 50, 787-796	2
715	Stability of thermal transpiration flows in rectangular enclosures □Axisymmetric disturbances. <b>2007</b> , 34, 83-92	
714	On oscillatory Marangoni convection in a rotating fluid layer subject to a uniform heat flux from below. <b>2007</b> , 34, 225-230	10
713	On oscillatory Marangoni convection in rotating fluid layer with flat free surface subject to uniform heat flux from below. <b>2007</b> , 50, 4508-4511	8
712	Onset of Marangoni convection in variable-viscosity fluid layer subject to uniform heat flux from below. <b>2008</b> , 35, 948-956	3
711	Control of Marangoni instability in a layer of variable-viscosity fluid. <b>2008</b> , 35, 1368-1374	13
710	Control of oscillatory Marangoni convection in a rotating fluid layer. <b>2008</b> , 35, 1130-1133	13

709	Influence of Rayleigh effect combined with Marangoni effect on the onset of convection in a liquid layer overlying a porous layer. <b>2008</b> , 51, 6328-6331	11
708	Stability of liquid film falling down a vertical non-uniformly heated wall. <b>2008</b> , 237, 2587-2598	24
707	Numerical simulation of Marangoni effects of single drops induced by interphase mass transfer in liquid-liquid extraction systems by the level set method. <b>2008</b> , 51, 684-694	18
706	The Influence of Gravity and Confinement on Marangoni Flow and Heat Transfer Around a Bubble in a Cavity: A Numerical Study. <b>2008</b> , 20, 253-259	9
705	Controlling evaporative thermocapillary convection using external heating: An experimental investigation. <b>2008</b> , 32, 1287-1300	17
704	DNS of rotating buoyancy and surface tension driven flow. <b>2008</b> , 51, 6219-6234	31
703	Experimental characterization of buoyancy- and surface tension-driven convection during the drying of a polymer solution. <b>2008</b> , 51, 4228-4237	49
702	Influence of free surface curvature of a liquid layer on the critical Marangoni convection. <b>2008</b> , 51, 5102-5107	6
701	Near-critical fluid boiling: overheating and wetting films. <b>2008</b> , 26, 345-53	1
700	Surface instabilities. <b>2008</b> , 70, 673-689	13
699	Understanding Non-equilibrium Thermodynamics. <b>2008</b> ,	322
698	The memory of life itself—hard cells and the cinematography of self-organization. <b>2008</b> , 39, 359-369	3
697	Novel self-organization mechanism in ultrathin liquid films: theory and experiment. <b>2008</b> , 101, 017802	68
696	Nanoscale structuring of semiconducting molecular blend films in the presence of mobile counterions. <b>2008</b> , 24, 7316-22	26
695	Stabilization of Steady and Oscillatory Marangoni Instability in Rotating Fluid Layer by Feedback Control Strategy. <b>2008</b> , 54, 647-663	19
694	Deposition of Molten Ink Droplets on a Solid Surface. <b>2008</b> , 52, 020502	6
693	Thermocapillary Convection in Floating Zones. <b>2008</b> , 61,	19
692	Thermocapillary Convection in an Inhomogeneous Porous Layer. <b>2008</b> , 25, 620-623	3

691	Experimental Investigation of Influence of Interfacial Tension on Convection of Two-Layer Immiscible Liquid. <b>2008</b> , 25, 1734-1737		4
690	Virtual microfluidic traps, filters, channels and pumps using Marangoni flows. <b>2008</b> , 18, 115031		61
689	Laser-controlled microscale fluid flows near the air-liquid interface of suspension droplets. <b>2008</b> , 78, 041407		2
688	Three-dimensional flow instabilities in a thermocapillary-driven cavity. <b>2008</b> , 77, 036303		42
687	Linear temporal and spatio-temporal stability analysis of a binary liquid film flowing down an inclined uniformly heated plate. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 599, 269-298	3-7	13
686	Long-Wave Coupled Marangoni - Rayleigh Instability in a Binary Liquid Layer in the Presence of the Soret Effect. <b>2008</b> , 3, 1-26		5
685	Formation of cardiac fibers in Matrigel matrix. <b>2008</b> , 44, 341-8		22
684	Spontaneous motion of a droplet evolved by resonant oscillation of a vortex pair. <b>2009</b> , 79, 031602		9
683	Nonlinear traveling waves in a multilayer system. <b>2009</b> , 79, 056313		6
682	Absence of Marangoni convection at Marangoni numbers above 27,000 during water evaporation. <b>2009</b> , 80, 056308		27
681	Effects of Magnetic Field and Nonlinear Temperature Profile on Marangoni Convection in Micropolar Fluid. <b>2009</b> , 2009, 1-11		2
680	The Bhard (1900, 1901) Convection Problem, Heated from below. <b>2009</b> , 85-132		1
679	Active control of Marangoni instability in a fluid layer with temperature-dependent viscosity in a microgravity environment. <b>2009</b> , 41, 045504		5
678	Size- and density-controlled synthesis of TiO <sub>2</sub> nanodots on a substrate by phase-separation-induced self-assembly. <b>2009</b> , 20, 215605		26
677	References. 609-657		
676	Flow visualization and solute transport in evaporating droplets. <b>2009</b> , 56, 1674-1683		12
675	Effects of rotation and feedback control on Bhard-Marangoni convection. <b>2009</b> , 52, 5770-5775		16
674	Surface tension evolution during early stages of drying of sol-gel coatings. <b>2009</b> , 49, 233-237		14

673	Onset of marangoni convection in an initially quiescent spherical droplet subjected to the transient heat conduction. <b>2009</b> , 26, 1461-1466	3
672	Enhanced Luminescence of Eu-Doped TiO <sub>2</sub> Nanodots. <b>2009</b> , 4, 809-13	35
671	Thin-liquid-film evaporation at contact line. <b>2009</b> , 3, 141-151	16
670	The Convective Instabilities in a Liquid-Vapor System with a Non-equilibrium Evaporation Interface. <b>2009</b> , 21, 233-240	6
669	Long-wavelength Marangoni Convection in a Thermally Modulated Field. <b>2009</b> , 21, 193-198	3
668	Stability analysis of the Rayleigh-Bénard convection for a fluid with temperature and pressure dependent viscosity. <b>2009</b> , 60, 739-755	23
667	Thermal Marangoni instability and magnetic pressure for a thin ferrofluid layer. <b>2009</b> , 1161, 361-76	1
666	Universality in crossover function for convection in fluids with a free surface. <b>2009</b> , 404, 2285-2288	
665	Steady parallel flow in an evaporating fluid heated from sidewalls. <b>2009</b> , 404, 3986-3990	
664	Stabilization of thermocapillary instability in a fluid layer with internal heat source. <b>2009</b> , 36, 161-165	1
663	On effect of non-uniform basic temperature gradient on Bénard-Marangoni convection in micropolar fluid. <b>2009</b> , 36, 255-258	21
662	Darcy-Bénard-Marangoni convection in porous media. <b>2009</b> , 52, 2815-2823	17
661	A parallel computer implementation of the Asymptotic Numerical Method to study thermal convection instabilities. <b>2009</b> , 228, 8249-8262	38
660	Exact solution of Marangoni convection in a binary fluid with throughflow and Soret effect. <b>2009</b> , 33, 3674-3681	10
659	Nonlinear waves in a multilayer system. <b>2009</b> , 337, 75-83	5
658	Oscillatory Marangoni convection in variable-viscosity fluid layer: The effect of thermal feedback control. <b>2009</b> , 48, 1102-1107	6
657	Marangoni convection in a binary liquid layer with Soret effect at small Lewis number: Linear stability analysis. <b>2009</b> , 21, 054101	26
656	The Simple Rayleigh (1916) Thermal Convection Problem. <b>2009</b> , 55-83	

655	Evaporation and fluid dynamics of a sessile drop of capillary size. <b>2009</b> , 79, 046301	74
654	Role of Bhard-Marangoni instabilities during solvent evaporation in polymer surface corrugations. <b>2009</b> , 25, 624-32	64
653	Size-dependent ultraviolet luminescence and low-field electron emission of TiO <sub>2</sub> nanodots formed by phase-separation-induced self-assembly. <b>2009</b> , 42, 105414	17
652	Short Preliminary Comments and Summary of Chapters 2 to 10. <b>2009</b> , 1-28	
651	The Navier-Stokes-Boussinesq System of Equations and Conditions. <b>2009</b> , 29-54	
650	The Thermocapillary, Marangoni, Convection Problem. <b>2009</b> , 195-261	1
649	Miscellaneous: Various Convection Model Problems. <b>2009</b> , 325-390	
648	Investigation of local evaporation flux and vapor-phase pressure at an evaporative droplet interface. <b>2009</b> , 25, 7424-31	44
647	Convection in Fluids. <b>2009</b> ,	12
646	Convective instabilities in liquid layers with free upper surface under the action of an inclined temperature gradient. <b>2009</b> , 21, 112102	38
645	Variations in Ocean Surface Temperature due to Near-Surface Flow: Straining the Cool Skin Layer. <b>2009</b> , 39, 2685-2710	9
644	Shooting Method for Good Estimates of the Eigenvalue in the Rayleigh-Belhard-Marangoni Convection Problem With General Boundary Conditions on Velocity and Temperature. <b>2009</b> ,	3
643	Local evaporation flux affected by thermocapillary convection transition at an evaporating droplet. <b>2009</b> , 42, 102004	32
642	P-133: Variable Liquid Crystal Pretilt and Azimuth Angle Using Stacked Alignment Layers. <b>2009</b> , 40, 1619	3
641	3D Time-Dependent Simulations of Onset of Transient Convection in Evaporative Cooling of Liquids. <b>2010</b> , 4, 106-115	1
640	Film flow over heated wavy inclined surfaces. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 665, 418-456	3-7 38
639	Hydrothermal precious opals of the Raduzhnoe deposit, north Primorye: The nature of the opalescence. <b>2010</b> , 4, 347-354	1
638	Quantitative evaluation of evaporation rate during spin-coating of polymer blend films: Control of film structure through defined-atmosphere solvent-casting. <b>2010</b> , 33, 283-9	69

- 637 Flow instabilities in thermocapillary-buoyant liquid pools. *Journal of Fluid Mechanics*, **2010**, 644, 509-535 3,7 14
- 636 Effects of controller and cubic temperature profile on onset of BhardMarangoni convection in ferrofluid. **2010**, 37, 624-628 6
- 635 Effect of non-uniform temperature gradient and magnetic field on onset of Marangoni convection heated from below by a constant heat flux. **2010**, 31, 797-804 4
- 634 Feedback Control of the Marangoni-Bhard Convection in a Horizontal Fluid Layer with Internal Heat Generation. **2010**, 22, 97-105 5
- 633 Symmetric and Asymmetric Convective Oscillations in a Multilayer System. **2010**, 22, 257-263 3
- 632 Numerical Simulation of Thermocapillary Convection in a Shallow Rectangular Cavity Under the Action of Combining Horizontal Temperature Gradient with Vertical Heat Flux. **2010**, 22, 361-367 3
- 631 Restricted meniscus convective self-assembly. **2010**, 344, 315-20 51
- 630 Bhard instabilities in a binary-liquid layer evaporating into an inert gas. **2010**, 349, 331-53 41
- 629 Simulation of transient RayleighBhardMarangoni convection induced by evaporation. **2010**, 53, 656-664 20
- 628 Thermal effects on RayleighMarangoniBhard instability in a system of superposed fluid and porous layers. **2010**, 53, 2951-2954 14
- 627 A special instrument for exact control of self-organized structures preparation in polymer layers. **2010**, 53, 5472-5477 8
- 626 Self-assembly of TiO<sub>2</sub> nanoparticles on native oxide terminated silicon surfaces. **2010**, 370, 20-27 2
- 625 THERMOCAPILLARY EFFECTS IN LIQUID SYSTEMS OF VARIABLE MASS CONFINED IN A NON-ISOTHERMAL CONTAINER. **2010**, 34, 309-332
- 624 Three-Dimensional Linear Instability Analysis of Thermocapillary Return Flow on a Porous Plane. **2010**, 27, 024707 3
- 623 Thermoelectric magnetohydrodynamic stirring of liquid metals. **2010**, 104, 094503 52
- 622 Bounds on heat transport in Bhard-Marangoni convection. **2010**, 81, 047301 8
- 621 Oscillatory and monotonic modes of long-wave Marangoni convection in a thin film. **2010**, 82, 025302 13
- 620 Double-diffusive Marangoni convection in a rectangular cavity: Onset of convection. **2010**, 22, 034106 41

619	Stabilization of thin liquid films flowing over locally heated surfaces via substrate topography. <b>2010</b> , 22, 042106	13
618	Imaging of Surface-Tension-Driven Convection Using Liquid Crystal Thermography. <b>2010</b> , 132,	5
617	Transient Rayleigh-Bénard-Marangoni convection due to evaporation: a linear non-normal stability analysis. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 648, 521-539	3-7 69
616	Marangoni Convection in Crystal Growth. <b>2010</b> , 413-464	2
615	Nonlinear large-scale Marangoni convection in a heated liquid layer with insoluble surfactant. <b>2010</b> , 82, 046306	11
614	Stability of evaporating water when heated through the vapor and the liquid phases. <b>2010</b> , 81, 036318	7
613	Autonomously Moving Colloidal Objects that Resemble Living Matter. <b>2010</b> , 12, 2308-2332	10
612	Flows of Reactive Fluids. <b>2010</b> ,	11
611	Mixed Convective Heat Transfer Due to Forced and Thermocapillary Flow Around Bubbles in a Miniature Channel: A 2D Numerical Study. <b>2010</b> , 31, 335-343	2
610	Practical Bifurcation and Stability Analysis. <b>2010</b> ,	211
609	A mechanism of Marangoni instability in evaporating thin liquid films due to soluble surfactant. <b>2010</b> , 22, 022102	29
608	Pattern formation in drying droplets of polyelectrolyte and salt. <b>2010</b> , 133, 114905	96
607	Large-Scale Marangoni Convection in a Liquid Layer with Insoluble Surfactant under Heat Flux Modulation. <b>2011</b> , 25, 1411-1423	6
606	Pattern formation in phase separating binary mixtures. <b>2011</b> , 13, 13333-40	4
605	Origin of buckling phenomenon during drying of micrometer-sized colloidal droplets. <b>2011</b> , 27, 8404-14	58
604	Influence of high-frequency vibration on the Rayleigh-Marangoni instability in a two-layer system. <b>2011</b> , 23, 034105	3
603	Ion-selective Marangoni instability coupled with the nonlinear adsorption/desorption rate. <b>2011</b> , 27, 14131-42	14
602	Spontaneous buckling in flexible organic light-emitting devices for enhanced light extraction. <b>2011</b> , 19 Suppl 5, A1117-25	17

- 601 A comparative study of 3D laser surface modification and the humping phenomenon. **2011,**
- 600 References. 375-386
- 599 Thermocapillary and shear driven flows in gas/liquid system in annular duct. **2011,** 327, 012030 1
- 598 Electrochemical Instability in Liquid-Liquid Two-Phase Systems. **2011,** 84, 1312-1320 12
- 597 Transient and persistent Marangoni-Bénard convection in the presence of surfactants. **2011,** 391, 51-61 5
- 596 Bénard instabilities in a binary-liquid layer evaporating into an inert gas: Stability of quasi-stationary and time-dependent reference profiles. **2011,** 192, 71-81 13
- 595 Numerical study of convection induced by evaporation in cylindrical geometry. **2011,** 192, 83-93 10
- 594 Large-scale Marangoni convection in a liquid layer with insoluble surfactant of low concentration. **2011,** 192, 135-143
- 593 Marangoni instability of a heated liquid layer in the presence of a soluble surfactant. **2011,** 192, 155-161 4
- 592 Different types of nonlinear convective oscillations in a multilayer system under the joint action of buoyancy and thermocapillary effect. **2011,** 192, 175-184
- 591 Stability of a thin viscous fluid film flowing down a rotating non-uniformly heated inclined plane. **2011,** 216, 225-242 6
- 590 Instability of Marangoni toroidal convection in a microchannel and its relevance with the flowing direction. **2011,** 11, 327-338 19
- 589 Justification of the Ginzburg-Landau Approximation in Case of Marginally Stable Long Waves. **2011,** 21, 93-113 13
- 588 Stability analysis of Rayleigh-Bénard convection in a porous medium. **2011,** 62, 149-160 6
- 587 Preliminary investigation of factors determining self-organised structures preparation in polymer layers. **2011,** 54, 4135-4142 8
- 586 Onset of Bénard-Marangoni Convection with Internal Heat Generation. **2011,** 23, 29-39 9
- 585 The Influence of the Horizontal Component of the Temperature Gradient on Nonlinear Oscillatory Convective Regimes in Multilayer System. **2011,** 23, 25-34 1
- 584 Amplitude Equations for Large-Scale Marangoni Convection in a Liquid Layer with Insoluble Surfactant on Deformable Free Surface. **2011,** 23, 59-63 16

583	Simulation of interfacial Marangoni convection in gas-liquid mass transfer by lattice Boltzmann method. <b>2011</b> , 5, 448-454	7
582	Numerical simulation of the Marangoni effect on transient mass transfer from single moving deformable drops. <b>2011</b> , 57, 2670-2683	30
581	Parallel adaptive solution of coupled Rayleigh-BhardMarangoni problems with the Navier-slip. <b>2011</b> , 66, 428-451	3
580	Experimental investigation of evaporation-induced convection in water using laser based measurement techniques. <b>2011</b> , 35, 910-919	19
579	Different types of nonlinear convective oscillation in a multilayer system. <b>2011</b> , 30, 99-106	
578	Rayleigh-Bhard and Marangoni magnetoconvection in Newtonian liquid with thermorheological effects. <b>2011</b> , 49, 1078-1094	17
577	Onset of surface tension driven convection in a fluid layer overlying a layer of an anisotropic porous medium. <b>2011</b> , 54, 994-1001	17
576	Theoretical study of a BhardMarangoni problem. <b>2011</b> , 376, 231-246	6
575	Low temperature preparation of TiO <sub>2</sub> nanodot film on substrates. <b>2011</b> , 519, 4641-4646	4
574	Optical and morphological characterization by atomic force microscopy of luminescent 2-styrylpyridine derivative compounds with Poly(N-vinylcarbazole) films. <b>2011</b> , 519, 6015-6020	4
573	Instabilities in a cylindrical cavity heated from below with a free surface. I. Effect of Biot and Marangoni numbers. <b>2011</b> , 84, 056302	8
572	Onset of Marangoni convection for evaporating liquids with spherical interfaces and finite boundaries. <b>2011</b> , 84, 046319	6
571	Nonlinear oscillatory convective regimes in a three-layer system with an inclined temperature gradient. <b>2011</b> , 84, 016306	1
570	Gravity-Driven Instability in a Liquid Film Overlying an Inhomogeneous Porous Layer. <b>2011</b> , 28, 024702	7
569	Thermal Science of Weld Bead Defects: A Review. <b>2011</b> , 133,	27
568	Nonlinear development of oscillatory instability in a three-layer system under the joint action of buoyancy and thermocapillary effect. <b>2011</b> , 23, 012103	4
567	On the early evolution in the transient BhardMarangoni problem. <b>2011</b> , 23, 114104	1
566	Nonlinear Marangoni waves in a two-layer film in the presence of gravity. <b>2012</b> , 24, 032101	20

- 565 Linear Stability Analysis of Marangoni Effect on Desorption Liquid Layer. **2012**, 479-481, 1380-1386
- 564 Threshold of Bhard-Marangoni instability in drying liquid films. **2012**, 99, 34001 22
- 563 In Situ Observation of Thermal Marangoni Convection on the Surface of a Sessile Droplet by Infrared Thermal Imaging. **2012**, 26, 2177-2188 12
- 562 Mixed Thermocapillary and Forced Convection Heat Transfer Around a Hemispherical Bubble in a Miniature Channel 3D Numerical Study. **2012**, 33, 596-608 5
- 561 Long-wave Marangoni convection in a thin film heated from below. **2012**, 85, 016328 22
- 560 The influence of the horizontal component of the temperature gradient on nonlinear convective oscillations in two-layer systems. **2012**, 24, 102108 9
- 559 DRYING A SESSILE DROPLET: IMAGING AND ANALYSIS OF TRANSPORT AND DEPOSITION PATTERNS. **2012**, 1-57
- 558 CONVECTIVE ASSEMBLY OF PATTERNED MEDIA. **2012**, 59-108 0
- 557 On Pattern Selection in Three-Dimensional Bhard-Marangoni Flows. **2012**, 11, 893-924 3
- 556 A Study on Perforation of a Liquid Sheet Caused by Thermocapillary Effect. **2012**, 78, 1083-1094
- 555 Magnetic Bhard-Marangoni Convection in an Annular Liquid Layer. **2012**, 78, 618-633
- 554 Hydrothermal waves on ethanol droplets evaporating under terrestrial and reduced gravity levels. *Journal of Fluid Mechanics*, **2012**, 712, 614-623 3-7 39
- 553 Introduction. **2012**, 1-19 2
- 552 Marangoni Convection in a Relatively Hotter or Cooler Liquid Layer. **2012**, 82, 103-106 1
- 551 Spectroscopic investigation of mixed materials using the adsorbed dissipative structures induced by Marangoni convection. **2012**, 4, 3679
- 550 Lattice Boltzmann Method for Simulation of Solutal Interfacial Convection in GasLiquid System. **2012**, 51, 10955-10967 25
- 549 Primary Instability. **2012**, 39-64
- 548 Instability in evaporative binary mixtures. I. The effect of solutal Marangoni convection. **2012**, 24, 094101 9

547	Convection as a Source of Self-Organization in Electrochemical Systems. <b>2012</b> , 265-374	0
546	Onset of Marangoni convection for evaporating sessile droplets. <b>2012</b> , 383, 198-207	20
545	Visualization and analysis of surface tension and cooling effects on differentially heated cavity using heatline concept. <b>2012</b> , 55, 6000-6009	13
544	References. <b>2012</b> , 473-509	
543	Ion-selective Marangoni instability--chemical sensing of specific cation for macroscopic movement. <b>2012</b> , 22, 037111	10
542	Marangoni convection of power law fluids driven by power-law temperature gradient. <b>2012</b> , 349, 2585-2597	38
541	Convective rolls and hydrothermal waves in evaporating sessile drops. <b>2012</b> , 28, 11433-9	71
540	Thermocapillary effects on steadily evaporating contact line: A perturbative local analysis. <b>2012</b> , 24, 072105	16
539	Stability characteristics of solutocapillary Marangoni motion in evaporating thin films. <b>2012</b> , 24, 122104	17
538	Marangoni convection flow and heat transfer in pseudoplastic non-newtonian nanofluids with radiation effects and heat generation or absorption effects. <b>2012</b> ,	
537	Instabilities in a horizontal liquid layer in cocurrent gas flow with an evaporating interface. <b>2012</b> , 85, 066305	13
536	Spontaneous formation of linearly arranged microcraters on sol-gel-derived silica-poly(vinylpyrrolidone) hybrid films induced by Bhard-Marangoni convection. <b>2012</b> , 28, 10177-82	9
535	Nonlinear Convective Oscillations in Two-Layer Systems with Different Aspect Ratios. <b>2012</b> , 24, 127-137	6
534	The effect of bernard-marangoni convection on percolation threshold in amorphous polymer-multiwall carbon nanotube composites. <b>2012</b> , 12, 467-472	7
533	Onset of RayleighBhardMarangoni convection with time-dependent nonlinear concentration profiles. <b>2012</b> , 68, 579-594	18
532	Evaporation of pure liquid sessile and spherical suspended drops: a review. <b>2012</b> , 170, 67-86	379
531	Coupled thermocapillary convection on Marangoni convection in liquid layers with curved free surface. <b>2012</b> , 55, 2726-2729	4
530	Internal circulation in a single droplet evaporating in a closed chamber. <b>2012</b> , 42, 42-51	46

529	Evidence of oscillatory convection inside an evaporating multicomponent droplet in a closed chamber. <b>2012</b> , 378, 260-2		12
528	Effect of vertical heat transfer on thermocapillary convection in an open shallow rectangular cavity. <b>2012</b> , 48, 241-251		11
527	Effect of Internal Heat Generation on the Onset of Marangoni Convection in a Fluid Layer Overlying a Layer of an Anisotropic Porous Medium. <b>2012</b> , 92, 727-743		12
526	Nonlinear Convective Oscillations in Two-Layer Systems under the Action of the Horizontal Component of the Temperature Gradient. <b>2013</b> , 25, 141-151		1
525	Time-dependent Marangoni-Bhard instability of an evaporating binary-liquid layer including gas transients. <b>2013</b> , 25, 084106		11
524	Plate Tectonics as a Far- From- Equilibrium Self-Organized System. <b>2013</b> , 411-425		11
523	A numerical study of the longitudinal thermoconvective rolls in a mixed convection flow in a horizontal channel with a free surface. <b>2013</b> , 42, 265-277		17
522	Spreading and bistability of droplets on differentially heated substrates. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 725, 566-587	3-7	8
521	Linear and nonlinear stability of hydrothermal waves in planar liquid layers driven by thermocapillarity. <b>2013</b> , 25, 094101		23
520	Effect of thickness of liquid layer on instability of absorption. <b>2013</b> , 47, 682-686		2
519	Evaporation Rates and Bhard-Marangoni Supercriticality Levels for Liquid Layers Under an Inert Gas Flow. <b>2013</b> , 25, 251-265		11
518	Thermocapillary flow regimes and instability caused by a gas stream along the interface. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 714, 644-670	3-7	31
517	Nonstandard Inkjets. <b>2013</b> , 45, 85-113		187
516	Effect of mutual location and the shape of heaters on the stability of thin films flowing over locally heated surfaces. <b>2013</b> , 65, 23-32		9
515	Nonlinear convective oscillations with different symmetry properties in two-layer systems. <b>2013</b> , 75, 396-406		2
514	Onset of Marangoni convection and multiple solutions in a power-law fluid layer under a zero gravity environment. <b>2013</b> , 58, 43-52		10
513	Investigation of surface deformation during drying of thin polymer films due to Marangoni convection. <b>2013</b> , 64, 24-30		16
512	Enhanced electrical properties of composite nanostructures using BiFeO <sub>3</sub> nanotubes and ferroelectric copolymers. <b>2013</b> , 94, 183-185		10

511	Direct microscopic observation of membrane formation by nonsolvent induced phase separation. <b>2013</b> , 431, 212-220	85
510	Linear instability analysis of thermocapillary convection in a bilayer system. <b>2013</b> , 62, 63-72	2
509	Longwave Marangoni convection in a surfactant solution between poorly conducting boundaries. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 718, 428-456	3.7 8
508	Bhardwaj Marangoni instability on evaporating menisci in capillary channels. <b>2013</b> , 63, 239-248	15
507	Nonlinear dynamics of long-wave Marangoni convection in a binary mixture with the Soret effect. <b>2013</b> , 25, 052107	15
506	Drying of thin colloidal films. <b>2013</b> , 76, 046603	276
505	Fluid transport in thin liquid films using traveling thermal waves. <b>2013</b> , 25, 072101	9
504	Dynamic transitions of surface tension driven convection. <b>2013</b> , 247, 7-17	6
503	Oscillations of a sessile droplet in open air. <b>2013</b> , 25, 112106	10
502	Free convection in drying binary mixtures: Solutal versus thermal instabilities. <b>2013</b> , 63, 336-350	19
501	Marangoni Convection In A Relatively Hotter Or Cooler Liquid Layer With Free Boundaries. <b>2013</b> , 18, 581-588	2
500	Investigates of Fabric Coating Approaches: Process and Observation. <b>2013</b> , 658, 140-146	
499	Magnetohydrodynamics Thermocapillary Marangoni Convection Heat Transfer of Power-Law Fluids Driven by Temperature Gradient. <b>2013</b> , 135,	36
498	Mapping of the Marangoni effect in soap films using Young's double-slit experiment. <b>2013</b> , 104, 14001	2
497	Drying-Induced Hierarchical Dimple Patterns on Partially Miscible Polymeric Films Under Ordered Convections. <b>2013</b> , 31, 1212-1218	2
496	Numerical investigation for the effect of the liquid film volume on thermocapillary flow direction in a thin circular liquid film. <b>2013</b> , 25, 082108	14
495	The impact of deformable interfaces and Poiseuille flow on the thermocapillary instability of three immiscible phases confined in a channel. <b>2013</b> , 25, 024104	4
494	The influence of the interfacial heat release on nonlinear convective oscillations in two-layer systems. <b>2013</b> , 25, 072106	11

493	A Multiple-Scale Analysis of Evaporation Induced Marangoni Convection. <b>2013</b> , 73, 974-1001	7
492	Chapter 6: Convective Instability Problems. <b>2013</b> , 150-207	
491	Moving Contact Line Problem in Electrowetting. <b>2013</b> , 491-556	
490	Pattern formation and morphology in the course of drying a droplet of a ternary polymer solution. <b>2013</b> , 129, 1784-1792	3
489	RUPTURE OF LIQUID FILM PLACED ON A SOLID SUBSTRATE AND HEATED FROM ABOVE. <b>2014</b> , 2, 129-138	1
488	RELATION BETWEEN CONVECTIVE THERMAL PATTERNS AND HEAT FLUX THROUGH AN EVAPORATING SURFACE VIA TWO-DIMENSIONAL AND THREE-DIMENSIONAL NUMERICAL SIMULATIONS. <b>2014</b> , 2, 199-206	9
487	Nonlinear analysis of the stability of solidification with a mushy zone. <b>2014</b> , 2014, 606-617	3
486	Effects of Controller and Nonuniform Temperature Profile on the Onset of Rayleigh-B̄hard-Marangoni Electroconvection in a Micropolar Fluid. <b>2014</b> , 2014, 1-8	1
485	Long-wave Marangoni convection in a layer of surfactant solution. <b>2014</b> , 26, 112101	8
484	Dynamics of a slowly evaporating solvent-polymer mixture with a deformable upper surface. <b>2014</b> , 79, 681-720	6
483	Three-dimensional Marangoni cell in self-induced evaporating cooling unveiled by digital holographic microscopy. <b>2014</b> , 89, 013007	14
482	The halting of contact lines in slender viscous films driven by gravity and surface tension gradients. <b>2014</b> , 26, 073601	1
481	Thermocapillary effect on the dynamics of viscous beads on vertical fiber. <b>2014</b> , 90, 033005	20
480	Marangoni waves in a two-layer film under the action of an inclined temperature gradient. <b>2014</b> , 26, 082102	6
479	The influence of evaporation on long-wavelength instabilities in liquid layer with insoluble surfactant. <b>2014</b> , 46, 041420	2
478	Marangoni instability of immiscible liquid-liquid stratified flow with a planar interface in the presence of interfacial mass transfer. <b>2014</b> , 45, 772-779	12
477	Combined influence of throughflow and Soret effect on the onset of Marangoni convection. <b>2014</b> , 85, 55-64	5
476	Transport and deposition patterns in drying sessile droplets. <b>2014</b> , 60, 1538-1571	215

475	On phase change in Marangoni-driven flows and its effects on the hydrothermal-wave instabilities. <b>2014</b> , 26, 024114	26
474	Thermocapillary Liquid Bridges and Marangoni Convection under Microgravity Results and Lessons Learned. <b>2014</b> , 26, 1-10	18
473	Integrally skinned PSF-based SRNF-membranes prepared via phase inversion Part B: Influence of low molecular weight additives. <b>2014</b> , 450, 499-511	59
472	Continuous finite element schemes for a phase field model in two-layer fluid Bhard Marangoni convection computations. <b>2014</b> , 185, 63-78	19
471	Pattern formation and mass transfer under stationary solutal Marangoni instability. <b>2014</b> , 206, 344-71	38
470	Marangoni convection in evaporating meniscus with changing contact angle. <b>2014</b> , 55, 1	7
469	Self-assembly of TiO <sub>2</sub> nanoparticles into chains, films and honeycomb networks. <b>2014</b> , 16, 1584	16
468	Jump conditions and dynamic surface tension at permeable interfaces such as the inner core boundary. <b>2014</b> , 346, 110-118	6
467	On the oscillatory Marangoni instability in a thin film heated from below. <b>2014</b> , 26, 064101	13
466	Self-organised patterns in polymeric films solidified from diluted solutions □ The effect of the substrate surface properties. <b>2014</b> , 78, 615-623	5
465	Rayleigh Bhard Marangoni convection in an open cylindrical container heated by a non-uniform flux. <b>2014</b> , 86, 198-209	12
464	Self-induced Marangoni flow in evaporating alcoholic solutions. <b>2014</b> , 78, 852-859	16
463	Spiral defect chaos in an advection-reaction-diffusion system. <b>2014</b> , 89, 062920	2
462	International Congress on Energy Efficiency and Energy Related Materials (ENEFM2013). <b>2014</b> ,	2
461	Surface roughness and orientation effects on the thermo-capillary migration of a droplet of paraffin oil. <b>2014</b> , 57, 200-206	25
460	Linear stability analysis of Poiseuille Bhard Marangoni flow in a horizontal infinite liquid film. <b>2014</b> , 54, 126-131	6
459	Coupled self-organization: thermal interaction between two liquid films undergoing long-wavelength instabilities. <b>2014</b> , 89, 053018	3
458	Longwave Marangoni convection in a binary liquid layer heated from above: weakly nonlinear analysis. <b>2014</b> , 46, 041406	3

457	Longwave convection in a layer of binary mixture with modulated heat flux: weakly nonlinear analysis. <b>2014</b> , 46, 041411		4
456	Marangoni instabilities for convective mobile interfaces during drop exchange: Experimental study and CFD simulation. <b>2014</b> , 441, 846-854		27
455	Spontaneous oscillation mechanism by simultaneous time-resolved measurements of interfacial tensions of both the donor/membrane and membrane/acceptor phases. <b>2014</b> , 30, 463-9		8
454	Quasi-elastic laser scattering for measuring inhomogeneous interfacial tension in non-equilibrium phenomena with convective flows. <b>2014</b> , 30, 707-16		11
453	Onset of Absolute Instability Induced by Viscous Dissipation in the Poiseuille-Darcy-Benard Convection of a Newtonian Fluid. <b>2014</b> , 547, 012039		
452	Generation of nonlinear Marangoni waves in a two-layer film by heating modulation. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 771, 159-192	3-7	8
451	Conjugated liquid layers driven by the short-wavelength BhardMarangoni instability: experiment and numerical simulation. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 783, 46-71	3-7	7
450	Understanding and guiding the phase inversion process for synthesis of solvent resistant nanofiltration membranes. <b>2015</b> , 132, n/a-n/a		204
449	From ripples to spikes: A hydrodynamical mechanism to interpret femtosecond laser-induced self-assembled structures. <b>2015</b> , 92,		151
448	Importance of wave-number dependence of Biot numbers in one-sided models of evaporative Marangoni instability: Horizontal layer and spherical droplet. <b>2015</b> , 91, 053018		8
447	Solutal Marangoni Convection: Challenges in Fluid Dynamics with Mass Transfer. <b>2015</b> , 467-480		
446	Thermal controller effect on Marangoni instability in a fluid layer with insoluble surfactant. <b>2015</b> ,		
445	Marangoni boundary layer flow and heat transfer of copper-water nanofluid over a porous medium disk. <b>2015</b> , 5, 107225		39
444	Evaporation-driven self-organization of sol&ndash;gel dip-coating films. <b>2015</b> , 123, 457-464		9
443	Noncontact atomization of droplets using an aerial ultrasonic source with two vibrating plates. <b>2015</b> , 54, 07HE13		7
442	Standing wave in evaporating meniscus detected by infrared thermography. <b>2015</b> , 107, 041606		5
441	Experimental Study of Aqueous Binary Mixture Droplet Vaporization on Nanostructured Surfaces. <b>2015</b> ,		
440	Beliefs as Self-Sustaining Networks: Drawing Parallels Between Networks of Ecosystems and Adults' Predictions. <b>2015</b> , 6, 1723		5

439	The effect of wall thickness and material on Marangoni driven convection in capillaries. <b>2015</b> , 481, 384-392	10
438	Spontaneous Pattern Formation Induced by Bhard-Marangoni Convection for Sol-Gel-Derived Titania Dip-Coating Films: Effect of Co-solvents with a High Surface Tension and Low Volatility. <b>2015</b> , 31, 12497-504	13
437	Marangoni instability of a liquid film flow with viscous dissipation. <b>2015</b> , 91, 023006	5
436	Onset of thermal convection in a porous layer with mixed boundary conditions. <b>2015</b> , 91, 105-120	9
435	Effect of substrate temperature on pattern formation of nanoparticles from volatile drops. <b>2015</b> , 31, 3354-67	98
434	Polymer Surfaces in Motion. <b>2015</b> ,	7
433	Azimuthal instability modes in a viscoelastic liquid layer flowing down a heated cylinder. <b>2015</b> , 90, 15-25	11
432	Thermal Origins. <b>2015</b> , 221-249	
431	Hydrothermal Waves. <b>2015</b> , 251-275	1
430	Surface deformation and film corrugation during drying of polymer solutions induced by Marangoni phenomena. <b>2015</b> , 89, 1083-1094	21
429	A computational study of droplet evaporation with fuel vapor jet ejection induced by localized heat sources. <b>2015</b> , 27, 053302	5
428	The Generation of Plate Tectonics from Mantle Dynamics. <b>2015</b> , 271-318	32
427	Mantle Dynamics: An Introduction and Overview. <b>2015</b> , 1-22	3
426	Laboratory Studies of Mantle Convection. <b>2015</b> , 73-144	15
425	Numerical and experimental analysis of short-scale Marangoni convection on heated structured surfaces. <b>2015</b> , 86, 764-779	3
424	Editorial. <b>2015</b> , 224, 213-215	
423	Oscillatory Marangoni convection in a liquid-gas system heated from below. <b>2015</b> , 224, 241-248	10
422	The interphase mass transfer in liquid-liquid systems with Marangoni effect. <b>2015</b> , 224, 389-399	18

4 <sup>21</sup>	A thermodynamically consistent phase-field model for two-phase flows with thermocapillary effects. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 766, 226-271	3-7	60
4 <sup>20</sup>	Highly effective CO <sub>2</sub> capture using super-fine PVDF hollow fiber membranes with sub-layer large cavities. <b>2015</b> , 5, 92234-92253		14
4 <sup>19</sup>	Thermocapillary instability in an evaporating two-dimensional thin layer film. <b>2015</b> , 91, 77-88		12
4 <sup>18</sup>	Buoyant Marangoni convection of nanofluids in square cavity. <b>2015</b> , 36, 1169-1184		12
4 <sup>17</sup>	Competition between stationary and oscillatory viscoelastic thermocapillary convection of a film coating a thick wall. <b>2015</b> , 89, 164-173		15
4 <sup>16</sup>	The Role of Marangoni Convection in Crystal Growth. <b>2015</b> , 871-907		2
4 <sup>15</sup>	Liquid film flow along a substrate with an asymmetric topography sustained by the thermocapillary effect. <b>2016</b> , 28, 082107		11
4 <sup>14</sup>	Thermocapilarity in Microfluidics-A Review. <b>2016</b> , 7,		75
4 <sup>13</sup>	Formation of Highly Oriented Cellulose Nanocrystal Films by Spin Coating Film from Aqueous Suspensions. <b>2016</b> , 4, 377-387		6
4 <sup>12</sup>	INFLUENCE OF INTERNAL ENERGY VARIATIONS OF THE INTERFACE ON THE STABILITY OF FILM FLOW. <b>2016</b> , 4, 133-156		13
4 <sup>11</sup>	Numerical investigation of oscillatory thermocapillary flows under zero gravity in a circular liquid film with concave free surfaces. <b>2016</b> , 28, 032106		9
4 <sup>10</sup>	Hydrodynamic effects on phase separation morphologies in evaporating thin films of polymer solutions. <b>2016</b> , 28, 082108		12
4 <sup>09</sup>	On the motion of a sessile drop on an incline: Effect of non-monotonic thermocapillary stresses. <b>2016</b> , 109, 231601		15
4 <sup>08</sup>	Hyperbranched polymer structures via flexible blade flow coating. <b>2016</b> , 54, 32-37		10
4 <sup>07</sup>	Effect of pool rotation on three-dimensional flow in a shallow annular pool of silicon melt with bidirectional temperature gradients. <b>2016</b> , 48, 045501		1
4 <sup>06</sup>	Unveiling self-organized two-dimensional (2D) convective cells in champagne glasses. <b>2016</b> , 188, 58-65		8
4 <sup>05</sup>	Convection roll-driven generation of supra-wavelength periodic surface structures on dielectrics upon irradiation with femtosecond pulsed lasers. <b>2016</b> , 94,		56
4 <sup>04</sup>	Controlling Marangoni-induced instabilities in spin-cast polymer films: How to prepare uniform films. <b>2016</b> , 39, 90		27

403	Nucleation of bubbles during drying of sprayed paint films. <b>2016</b> , 99, 452-462	3
402	Flow Instability Mechanism for Formation of Self-Ordered Porous Anodic Oxide Films. <b>2016</b> , 222, 1186-1190	16
401	Marangoni convection in an evaporating droplet: Analytical and numerical descriptions. <b>2016</b> , 102, 445-454	15
400	Entangled active matter: From cells to ants. <b>2016</b> , 225, 629-649	20
399	Fluid-dynamical model for antisurfactants. <b>2016</b> , 93, 043121	8
398	Formation, Evolution, and Extinction of Standing Waves in Evaporation from Pores. <b>2016</b> , 32, 12078-12083	2
397	Marangoni convection in a cylinder of finite size. <b>2016</b> , 57, 13-19	0
396	Thermocapillary instability of a liquid layer on interior surface of a rotating cylinder. <b>2016</b> , 754, 032004	1
395	Ice-dependent liquid-phase convective cells during the melting of frozen sessile droplets containing water and multiwall carbon nanotubes. <b>2016</b> , 101, 27-37	8
394	Particle shape and radiation effects on Marangoni boundary layer flow and heat transfer of copper-water nanofluid driven by an exponential temperature. <b>2016</b> , 301, 379-386	75
393	Capillary Flows. <b>2016</b> , 26-1-26-19	
392	Orange peel formation due to surface tension-driven flows within drying paint films. <b>2016</b> , 13, 413-426	10
391	Bhard-Marangoni instability driven by moisture absorption. <b>2016</b> , 113, 24002	15
390	Bubble growth and movement in drying paint films. <b>2016</b> , 145, 149-161	3
389	Longwave oscillatory patterns in liquids: outside the world of the complex Ginzburg-Landau equation. <b>2016</b> , 49, 053001	5
388	Stability and break-up of thin liquid films on patterned and structured surfaces. <b>2016</b> , 228, 92-104	32
387	Marangoni Convection Heat and Mass Transport of Power-Law Fluid in Porous Medium with Heat Generation and Chemical Reaction. <b>2017</b> , 38, 641-652	8
386	A hydrodynamic analysis of thermocapillary convection in evaporating thin liquid films. <b>2017</b> , 108, 1103-1114	6

385	Thermocapillary approaches to the deliberate patterning of polymers. <b>2017</b> , 55, 1649-1668	24
384	Effervescence in champagne and sparkling wines: From grape harvest to bubble rise. <b>2017</b> , 226, 3-116	29
383	Unsteady Marangoni convection heat transfer of fractional Maxwell fluid with Cattaneo heat flux. <b>2017</b> , 44, 497-507	25
382	Transport phenomena and dimensionless numbers: towards a new methodological approach. <b>2017</b> , 38, 033001	4
381	Marangoni convection instability in a sessile droplet with low volatility on heated substrate. <b>2017</b> , 117, 274-286	26
380	Fluid dynamic instabilities: theory and application to pattern forming in complex media. <b>2017</b> , 375,	43
379	Experimental Study of Aqueous Binary Mixture Droplet Vaporization on Nanostructured Surfaces. <b>2017</b> , 38, 1260-1273	2
378	Thermocapillary mechanism of convection in nanofluids due to the absorption of spatially periodic laser radiation. <b>2017</b> , 52, 10-17	2
377	Monitoring Photochemical Reactions Using Marangoni Flows. <b>2017</b> , 33, 3647-3658	5
376	Validation of Simulation and Mass Transfer Coefficient Prediction with Interfacial Convection. <b>2017</b> , 40, 1059-1068	2
375	A special instrument for the defined modification of polymer properties in solutions and polymer layers. <b>2017</b> , 97, 218-225	2
374	Novel criteria for the development of monotonic and oscillatory instabilities in a two-layer film. <b>2017</b> , 29, 092104	5
373	On the Rayleigh-BhardMarangoni system and a related optimal control problem. <b>2017</b> , 74, 2969-2991	5
372	Low-Temperature Soft-Cover Deposition of Uniform Large-Scale Perovskite Films for High-Performance Solar Cells. <b>2017</b> , 29, 1701440	61
371	Complex Patterns and Elementary Structures of Solutal Marangoni Convection: Experimental and Numerical Studies. <b>2017</b> , 445-488	
370	Experimental investigation of Marangoni convection in nanofluids. <b>2017</b> , 52, 362-365	9
369	Oscillatory thermocapillary instability in liquid layer with insoluble surfactant. <b>2017</b> ,	
368	Henri Bhard: Thermal convection and vortex shedding. <b>2017</b> , 345, 446-466	5

- 367 The interaction of thermocapillary and vibrational instabilities in a two-layer system subjected to the tangential vibrations. **2017**, 226, 1263-1272 1
- 366 Marangoni convection in a thin layer of nanofluid: Application to combinations of water or ethanol with nanoparticles of alumina or multi-walled carbon nanotubes. **2017**, 104, 693-702 7
- 365 On oscillatory magnetoconvection in a nanofluid layer in the presence of internal heat source and Soret effect. **2017**,
- 364 Impact of an insoluble surfactant on the thresholds of evaporative Bhard-Marangoni instability under air. **2017**, 40, 90 3
- 363 Henri Bhard and pattern-forming instabilities. **2017**, 18, 531-543 5
- 362 Convection in Binary Liquids: Amplitude Equations for Stationary and Oscillatory Patterns. **2017**, 125-208
- 361 Locomotion and Transformation of Underwater Micrometer-Sized Molecular Aggregates under Chemical Stimuli. **2017**, 86, 101006 4
- 360 Embedding-Parameters Perturbation Method. **2017**, 39-77 1
- 359 Nanoparticle Shape and Thermal Radiation on Marangoni Water, Ethylene Glycol and Engine Oil Based Cu, Al<sub>2</sub>O<sub>3</sub> and SWCNTs. **2017**, 06, 3
- 358 Experimental study of moving liquid layer evaporation under gas flow into rectangular minichannel. **2017**, 159, 00033 5
- 357 Large-scale nonlinear evolution of parametrically excited Marangoni convection in a liquid layer covered by insoluble surfactant. **2018**, 50, 051405 1
- 356 Marangoni instability in a thin film heated from below: Effect of nonmonotonic dependence of surface tension on temperature. **2018**, 97, 043105 16
- 355 Influence of Thermal Marangoni convection on the recovery of bypassed oil during immiscible injection. **2018**, 164, 196-205 8
- 354 Oscillatory circulation inside evaporating methanol-water drops. **2018**, 102, 130-137 9
- 353 Ionic solubility and solutal advection governed augmented evaporation kinetics of salt solution pendant droplets. **2018**, 30, 012113 24
- 352 Bounds on heat transfer for Bhard-Marangoni convection at infinite Prandtl number. *Journal of Fluid Mechanics*, **2018**, 837, 562-596 3-7 12
- 351 Effect of Surface Excess Energy Transport on the Rupture of an Evaporating Film. **2018**, 30, 165-171 7
- 350 Nonisothermal Spreading Dynamics of Self-Rewetting Droplets. **2018**, 34, 1916-1931 9

349	On the formation and propagation of hydrothermal waves in liquid layers with phase change. <b>2018</b> , 172, 741-760	5
348	Fluid Mechanics of Liquid Metal Batteries. <b>2018</b> , 70,	40
347	Parametric Excitation of Marangoni Instability in a Heated Thin Layer Covered by Insoluble Surfactant. <b>2018</b> , 30, 173-181	1
346	Elongated phase separation domains in spin-cast polymer blend thin films characterized using a panoramic image. <b>2018</b> , 14, 1050-1055	5
345	Linear and nonlinear aspects of Marangoni and evaporative instabilities. <b>2018</b> , 50, 051411	
344	The Inveterate Tinkerer 11. Marangoni Effect. <b>2018</b> , 23, 225-233	
343	Rayleigh-BardMarangoni convection in a weakly non-Boussinesq fluid layer with a deformable surface. <b>2018</b> , 30, 024103	7
342	A time-dependent perturbation solution from a steady state for Marangoni problem. <b>2018</b> , 97, 1526-1539	3
341	Convection in a Thin Liquid Layer with Mixed Thermal Boundary Conditions: BardMarangoni Convection. <b>2018</b> , 88, 73-79	
340	Marangoni convection in wateralumina nanofluids: Dependence on the nanoparticle size. <b>2018</b> , 67, 259-268	23
339	On the extent of surface stagnation produced jointly by insoluble surfactant and thermocapillary flow. <b>2018</b> , 255, 10-17	8
338	Breezingbf NaClO3 Metastable Crystalline State by Optical Trapping in Unsaturated Microdroplet. <b>2018</b> , 18, 734-741	12
337	Magneto-hydrodynamic Marangoni flow in bottom-heated lid-driven cavity. <b>2018</b> , 251, 249-266	39
336	Experimental and Numerical Analyses of the Flow and Temperature of Buoyancy-Marangoni Convection in a Liquid. <b>2018</b> , 880, 27-32	
335	Contactless Transfer of an Angular Momentum to a Liquid Layer Using a Scanning Laser Beam. <b>2018</b> , 26, 259-263	1
334	Applications of Viscoelastic Fluids Involving Hydrodynamic Stability and Heat Transfer. <b>2018</b> ,	1
333	Discussions of Effects of Surface Tension on Water Vapor Absorbed by Triethylene Glycol Solution Films. <b>2018</b> ,	
332	Influence of internal heating on surface tension driven convection in deformable binary fluid layer. <b>2018</b> ,	

331	Instability of the Benard-Marangoni Convection in a Porous Layer Affected by a Non-Vertical Magnetic Field. <b>2018</b> , 59, 903-911		0
330	Transitional bulk-solutal Marangoni instability in sessile drops. <b>2018</b> , 98,		3
329	Thermorheological and magnetorheological effects on Marangoni-Ferroconvection with internal heat generation. <b>2018</b> , 1139, 012024		3
328	Theoretical and Experimental Investigation of the Formation of High Spatial Frequency Periodic Structures on Metal Surfaces Irradiated by Ultrashort Laser Pulses. <b>2018</b> , 26, 264-273		3
327	Acceleration of chemical reaction fronts. <b>2018</b> , 227, 493-507		5
326	Thermocapillary instabilities in a horizontal liquid layer under partial basal slip. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 855, 839-859	3-7	10
325	Multiple solutions, oscillons, and strange attractors in thermoviscoelastic Marangoni convection. <b>2018</b> , 30, 104104		8
324	Surface patterning of monocrystalline silicon induced by spot laser melting. <b>2018</b> , 124, 163104		7
323	Spontaneous colloidal metal network formation driven by molten salt electrolysis. <b>2018</b> , 8, 13114		10
322	Influence of Surfactant Concentration and Temperature Gradients on Spreading of Crude-Oil at Sea*. <b>2018</b> , 5,		3
321	Numerical parametric study of the evaporation rate of a liquid under a shear gas flow: Experimental validation and the importance of confinement on the convection cells and the evaporation rate. <b>2018</b> , 72, 8-19		9
320	Longwave Stability of Two Liquid Layers Coating Both Sides of a Thick Wall in the Absence of Gravity. <b>2018</b> , 30, 209-228		4
319	Thermocapillary instability of self-rewetting films on vertical fibers. <b>2018</b> , 30, 082104		5
318	Onset of Convection in a Cylindrical Container with a Free Boundary. <b>2018</b> , 53, 277-284		
317	Achieving Fully Blade-Coated Ambient-Processed Perovskite Solar Cells by Controlling the Blade-Coater Temperature. <b>2018</b> , 8, 1662-1669		10
316	Influence of Hydrophilicity on the Thermal-Driven Surfactant Flow at the Air/Water Surface. <b>2018</b> , 3, 9060-9065		3
315	Instability of a weakly viscoelastic film flowing down a heated inclined plane. <b>2018</b> , 30, 084102		7
314	Nonlocal and Nonlinear Surface Plasmon Polaritons and Optical Spatial Solitons Induced by the Thermocapillary Effect. <b>2018</b> , 120, 243904		5

313	Sensitivity of lateral heat transfer on the convection onset in a transient Rayleigh-Bhard-Marangoni flow. <b>2018</b> , 130, 353-366		1
312	Surface deformations in dynamic thermocapillary convection under partial slip. <b>2019</b> , 100, 022802		0
311	Influence of Composition Dependent Diffusion Coefficient, Viscosity and Relaxation Time on Evaporative Rayleigh-Bhard-Marangoni Instabilities Induced by Solvent Evaporation in a Polymer Solution. <b>2019</b> , 31, 615-628		3
310	Feedback control of Marangoni convection in a thin film heated from below. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 876, 573-590	3-7	6
309	Marangoni instability in a heated viscoelastic liquid film: Long-wave versus short-wave perturbations. <b>2019</b> , 100, 013103		12
308	Bursting of molten steel thick films in a steel plate illuminated by a high energy laser. <b>2019</b> , 115, 043702		2
307	Nonlinear dynamics of a two-layer system under the action of spatial temperature modulation of an interfacial heat release. <b>2019</b> , 78, 11-20		1
306	Microstructure and mechanical properties of 316L stainless steel produced by selective laser melting. <b>2019</b> ,		3
305	Self-segmenting of rennet-induced milk gel in cheesemaking tank. <b>2019</b> , 72, 591-600		3
304	Experimental study of the internal flow in freezing water droplets on a cold surface. <b>2019</b> , 60, 1		9
303	Study on the effects of alcohol-enhanced air sparging remediation in a benzene-contaminated aquifer: a new insight. <b>2019</b> , 26, 35140-35150		4
302	Phase transitions on partially contaminated surface under the influence of thermocapillary flow. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 877, 495-533	3-7	9
301	Scalable Ambient Fabrication of High-Performance CsPbI <sub>2</sub> Br Solar Cells. <b>2019</b> , 3, 2485-2502		94
300	Marangoni convection of a viscous fluid over a vibrating plate. <b>2019</b> , 475, 20190214		
299	Numerical simulation study on the pure solutocapillary flow of a binary mixture with various solutal coefficients of surface tension in an annular pool. <b>2019</b> , 108, 104342		3
298	Bhard-Marangoni instability in sessile droplet evaporating at constant contact angle mode on heated substrate. <b>2019</b> , 134, 784-795		20
297	Practical Formulation Science for Particle-Based Inks. <b>2019</b> , 3, 23		3
296	Multistability in Multilayer Systems. <b>2019</b> , 31, 557-568		4

- 295 Nonlinear longwave stability of two liquid layers coating both sides of a thick wall in presence of gravity. **2019**, 116, 107-122
- 294 Thermo-capillary effects along a deformable singular interface between two immiscible fluids. **2019**, 531, 121803 2
- 293 Self-assembly and complex manipulation of colloidal mesoscopic particles by active thermocapillary stress. **2019**, 15, 4703-4713 13
- 292 Surface configurations and wave patterns of thermocapillary convection onboard the SJ10 satellite. **2019**, 31, 044105 7
- 291 Radial Linear Polymer Patterns Driven by the Marangoni Instability and Lateral Phase Separation for the Formation of Nanoscale Perforation Lines. **2019**, 2, 3253-3261 2
- 290 Bhard-Marangoni Dendrites upon Evaporation of a Reactive ZnO Nanofluid Droplet: Effect of Substrate Chemistry. **2019**, 35, 5830-5840 3
- 289 Thermal effects on the instability of coaxial liquid jets in the core of a gas stream. **2019**, 31, 032106 8
- 288 Effect of Bhard-Marangoni flow on the bypassed oil recovery: Micromodel study. **2019**, 178, 1067-1078 4
- 287 Calibration Routine for Quantitative Three-Dimensional Flow Field Measurements in Drying Polymer Solutions Subject to Marangoni Convection. **2019**, 3, 39 1
- 286 Micro-particle image velocimetry visualization study of thermal Buoyant-Marangoni flow in microtubes. **2019**, 137, 765-774 2
- 285 Thermal forcing and classical and ultimate regimes of Rayleigh-Bhard convection. *Journal of Fluid Mechanics*, **2019**, 868, 1-4 3-7 10
- 284 Longitudinal roll patterns of Marangoni instability in an easily volatile sessile droplet evaporating at constant contact angle mode. **2019**, 134, 1283-1291 11
- 283 Influence of Bhard-Marangoni instability on the morphology of drying colloidal films. **2019**, 15, 2381-2390 8
- 282 NUMERICAL SIMULATION OF BUBBLE CONVECTION IN TWO-PHASE STRATIFIED LIQUIDS. **2019**, 31, 133-149 2
- 281 The propagation of temperature pulsations along the free surface of a liquid layer from a linear heat source. **2019**, 1382, 012077
- 280 Controlling 2D laser nano structuring over large area with double femtosecond pulses. **2019**, 470, 677-686 56
- 279 Rayleigh-Bhard Convection. **2019**, 135-175
- 278 Dendritic surface patterns from Bhard-Marangoni instabilities upon evaporation of a reactive ZnO nanofluid droplet: A fractal dimension analysis. **2019**, 536, 493-498 8

277	Influence of substrate temperature on Marangoni convection instabilities in a sessile droplet evaporating at constant contact line mode. <b>2019</b> , 131, 1270-1278	22
276	An investigation of Marangoni-Benard convection in water based nanofluids. <b>2019</b> , 55, 791-809	2
275	The effects of radiation on heat and mass transfer of magnetohydrodynamic Marangoni flow in the boundary layer over a disk. <b>2020</b> , 37, 37-45	5
274	Numerical Study of Thermocapillary-Buoyancy Convection of Volatile Liquid Layer in an Enclosed Cavity. <b>2020</b> , 32, 305-319	2
273	New bounds on the vertical heat transport for BhardMarangoni convection at infinite Prandtl number. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 885,	3-7 3
272	Effect of liquid phase composition on the experimental determination of binary gas diffusivities in an isothermal Stefan diffusion column. <b>2020</b> , 207, 1658-1684	6
271	Applying droplets and films in evaporative lithography. <b>2020</b> , 285, 102271	12
270	Zwitterionic-Surfactant-Assisted Room-Temperature Coating of Efficient Perovskite Solar Cells. <b>2020</b> , 4, 2404-2425	65
269	Dynamical transition theory of hexagonal pattern formations. <b>2020</b> , 91, 105455	1
268	Thermocapillary instabilities in a liquid layer subjected to an oblique temperature gradient: Effect of a prescribed normal temperature gradient at the substrate. <b>2020</b> , 32, 112109	1
267	Flow and stability of a gravity-driven thin film over a locally heated porous wall. <b>2020</b> , 32, 092106	2
266	Surfactant Effects on the Dynamics of Capillary Rise and Finger Formation in Square Capillaries. <b>2020</b> , 36, 13784-13792	5
265	Dynamics of nonisothermal two-thin-fluid-layer systems subjected to harmonic tangential forcing under RayleighTaylor instability conditions. <b>2020</b> , 32, 082113	2
264	Defects of Bhard cell on a propagating front. <b>2020</b> , 32, 024107	1
263	On the Prediction of Well-Ordered Porous Anodic Alumina Films. <b>2020</b> , 124, 11913-11921	3
262	High-frequency periodic patterns driven by non-radiative fields coupled with Marangoni convection instabilities on laser-excited metal surfaces. <b>2020</b> , 194, 93-105	34
261	The thermocapillary effect on gas bubbles growing on electrodes of different sizes. <b>2020</b> , 353, 136461	9
260	A numerical study for thermocapillary induced patterning of thin liquid films. <b>2020</b> , 32, 024106	6

259	Nonlinear feedback control of Marangoni wave patterns in a thin film heated from below. <b>2020</b> , 412, 132627		7
258	Spatio-temporal thickness variation and transient Marangoni number in striations during spin coating. <b>2020</b> , 154, 119678		7
257	Investigating the Effect of Antibody-Antigen Reactions on the Internal Convection in a Sessile Droplet via Microparticle Image Velocimetry and DLVO Analysis. <b>2020</b> , 36, 8826-8838		3
256	Fragmentation versus Cohesion. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 898,	3-7	35
255	The action of temporal modulation of an interfacial heat consumption on nonlinear Marangoni waves in the presence of gravity. <b>2020</b> , 84, 51-62		1
254	Liquid plug formation from heated binary mixtures in capillary tubes. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 889,	3-7	3
253	Three-Dimensional Reconstruction of Evaporation-Induced Instabilities Using Volumetric Scanning Particle Image Velocimetry. <b>2020</b> , 1, 52-70		1
252	Sub-100 nm 2D nanopatterning on a large scale by ultrafast laser energy regulation. <b>2020</b> , 12, 6609-6616		10
251	Marangoni instabilities associated with heated surfactant-laden falling films. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 887,	3-7	4
250	Transient flow patterns in an evaporating sessile drop: A numerical study on the effect of volatility and contact angle. <b>2020</b> , 112, 104493		4
249	Controllable crystallization by way of solvent engineering for perovskite solar cells. <b>2021</b> , 9, 57-64		1
248	Contribution of thermocapillary convection to liquid evaporation. <b>2021</b> , 164, 120400		4
247	Thermocapillary instabilities in a liquid layer subjected to an oblique temperature gradient. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 906,	3-7	2
246	Secondary atomization of water-in-oil emulsion drops impinging on a heated surface in the film boiling regime. <b>2021</b> , 165, 120672		6
245	Directed Self-Assembly Driven Mesoscale Lithography Using Laser-Induced and Manipulated Microbubbles: Complex Architectures and Diverse Applications. <b>2021</b> , 21, 10-25		8
244	Forming the Convective Flows and a Cluster of Particles under Spot Heating. <b>2021</b> , 25, 46-63		2
243	Self-organization of TiO <sub>2</sub> microparticles on the surface of a thin liquid layer due to local heating and the formation of convective cells. <b>2021</b> , 324, 114685		2
242	Colloidal monolayers with cell-like tessellations via interface assisted evaporative assembly. <b>2021</b> , 583, 683-691		3

241	Emergence and breakup of a cluster of ordered microparticles during the interaction of thermocapillary and thermogravitational convection. <b>2021</b> , 379, 165-173	2
240	Directional interfacial motion of liquids: Fundamentals, evaluations, and manipulation strategies. <b>2021</b> , 154, 106749	7
239	Transient thermocapillary convection flows in a rectangular cavity with an evenly heated lateral wall. <b>2021</b> , 33, 013602	2
238	Encyclopedia of Solid Earth Geophysics. <b>2021</b> , 1059-1079	
237	Thermocapillary instability in a viscoelastic liquid layer under an imposed oblique temperature gradient. <b>2021</b> , 33, 012107	0
236	Marangoni patterns on a rhombic lattice in a thin film heated from below. <b>2021</b> , 33, 014101	4
235	On the stratification mechanism of self-stratifying epoxyAcrylic coatings. <b>2021</b> , 18, 559-568	1
234	Marangoni convection in layers of water-based nanofluids under the effect of rotation. <b>2021</b> , 19, 1029-1046	0
233	The onset of Marangoni bio-thermal convection in a layer of fluid containing gyrotactic microorganisms. <b>2021</b> , 6, 13552-13565	1
232	Marangoni forced convective Casson type nanofluid flow in the presence of Lorentz force generated by Riga plate. <b>2021</b> , 14, 2517	6
231	Pattern selection in oscillatory longwave Marangoni convection with nonlinear temperature dependence of surface tension. <b>2021</b> , 6,	0
230	Effect of Marangoni Convection on the Perovskite Thin Liquid Film Deposition. <b>2021</b> , 37, 2596-2606	5
229	Machine learning method for the supplement, correction, and prediction of the nonlinear dynamics in pattern formation. <b>2021</b> , 33, 024110	1
228	Nonuniformities in miscible two-layer two-component thin liquid films. <b>2021</b> , 6,	1
227	Convective and Absolute Instabilities Induced by Viscous Dissipation in the Thermocapillary Convection With Through-Flow. <b>2021</b> , 143,	1
226	Steady Marangoni instabilities in variable-viscosity liquid layer in the presence of insoluble surfactant. <b>2021</b> , 1770, 012044	
225	Marangoni Instability of a Drop in a Stably Stratified Liquid. <b>2021</b> , 126, 124502	7
224	Competing Marangoni and Rayleigh convection in evaporating binary droplets. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 914,	3-7 13

223	Marangoni convection in the transient flow of hybrid nanoliquid thin film over a radially stretching disk. <b>2021</b> , 235, 800-811		2
222	Self-Organization Regimes Induced by Ultrafast Laser on Surfaces in the Tens of Nanometer Scales. <b>2021</b> , 11,		5
221	Transient Three-Dimensional Flow Field Measurements by Means of 3D $\mu$ PTV in Drying Poly(Vinyl Acetate)-Methanol Thin Films Subject to Short-Scale Marangoni Instabilities. <b>2021</b> , 13,		0
220	Applications. <b>2021</b> , 352-406		
219	Mesoporous Coatings with Simultaneous Light-Triggered Transition of Water Imbibition and Droplet Coalescence. <b>2021</b> , 8, 2100252		1
218	Instabilities driven by diffusiophoretic flow on catalytic surfaces. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 919,	3-7	4
217	Minimization of entropy production in the transient thermocapillary flow of (Al <sub>2</sub> O <sub>3</sub> - Cu) hybrid nanoliquid film over a disk. 1		0
216	Linear stability analysis of Marangoni mixed convection flow for nanofluids in a horizontal open channel. <b>2021</b> , 28, 383-399		0
215	Buoyancy-driven convection of droplets on hot nonwetting surfaces. <b>2021</b> , 103, 053105		0
214	Investigation on the convection flow effect on the surface and depth of the evaporative polymeric solutions via PIV method. <b>2021</b> , 164, 106874		
213	Thermocapillary deformation induced by laser heating of thin liquid layers: Physical and numerical experiments. <b>2021</b> , 172, 121020		2
212	Marangoni convection instability in an evaporating droplet deposited on volatile liquid layer. <b>2021</b> , 171, 121055		3
211	Modulational instability in thin liquid film flowing down an inclined uniformly heated plate. <b>2021</b> , 11, 065017		1
210	Evolution of Surface Morphology of Spin-Coated Poly(methyl methacrylate) Thin Films. <b>2021</b> , 13,		1
209	Marangoni instability triggered by selective evaporation of a binary liquid inside a Hele-Shaw cell. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 923,	3-7	1
208	Critical Solutal Marangoni Number Correlation for Short-Scale Convective Instabilities in Drying Poly(vinyl acetate)-Methanol Thin Films. <b>2021</b> , 13,		0
207	The oscillatory longwave Marangoni convection in a thin film heated from below. <b>2021</b> , 3, 1		0
206	Dewetting assisted self-assembly of graphene nanoparticles by diverse approaches. <b>2021</b> , 44, 1		0

205	Slot-die coating of silicon ink for volume production of CMOS polysilicon TFTs. <b>2021</b> , 60, 101001		1
204	Direct simulation of two-dimensional Bhard flow with free-slip boundary conditions. <b>2021</b> , 228, 105040		
203	Polyamide desalination membranes: Formation, structure, and properties. <b>2021</b> , 122, 101451		16
202	Controllable dried patterns of colloidal drops. <b>2022</b> , 606, 758-767		3
201	Traveling waves inside Bhard-Marangoni cells induced by evaporation of a volatile liquid layer. <b>2022</b> , 182, 121963		1
200	A review of fluid instabilities and control strategies with applications in microgravity. <b>2021</b> , 16, 24		6
199	Marangoni instability in a viscoelastic binary film with cross-diffusive effect. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 910,	3-7	6
198	Fluid flow structures in an evaporating sessile droplet depending on the droplet size and properties of liquid and substrate. <b>2021</b> , 1730, 012029		
197	Stability of Supercritical Bhard Convection and Taylor Vortex Flow. 109-133		18
196	Competition between marangoni and archimedean forces, to determine the surface profile of a liquid heated, open to air. <b>1984</b> , 358-370		3
195	Surface relief accompanying natural convection in liquid layers heated from below. <b>1984</b> , 371-375		1
194	Direct numerical simulation of the dynamic behaviour of a system with a surfactant droplet under the free water surface: theoretical consideration of the auto-oscillation of surface tension. <b>2000</b> , 329-333		1
193	Formation of Dynamical Structures in Axisymmetric Fluid Systems. <b>1998</b> , 86-126		5
192	Hydrothermal Waves in a Disk of Fluid. <b>2006</b> , 147-161		20
191	Secondary Instabilities in Surface-Tension-Driven Bhard-Marangoni Convection. <b>2006</b> , 163-176		2
190	Nonequilibrium Phenomena in Microemulsions. <b>1988</b> , 411-416		2
189	Stability of Interfaces. <b>1978</b> , 227-293		12
188	Overstability in an Infinite Liquid Layer under Simultaneous Surface Tension, Buoyancy and Shear Effects. <b>1993</b> , 69-88		1

187	Falling Films Under Complicated Conditions. <b>2007</b> , 137-190	2
186	Directing Convection to Pattern Thin Polymer Films: Coffee Rings. <b>2015</b> , 43-71	1
185	The Influence of Static and Dynamic Free-Surface Deformations on the Three-Dimensional Thermocapillary Flow in Liquid Bridges. <b>2003</b> , 213-239	1
184	Thermocapillary Droplet Migration on an Inclined Solid Surface. <b>2003</b> , 263-289	1
183	Convective Instabilities in Layered Systems. <b>2003</b> , 21-44	5
182	Observations on Interfacial Convection in Multiple Layers without and with Evaporation. <b>2003</b> , 59-77	4
181	Surface Tension Driven Flow of Molten Silicon: Its Instability and the Effect of Oxygen. <b>2003</b> , 131-155	2
180	Branching Phenomena in Fluid Dynamics and Chemical Reaction-Diffusion Theory. <b>2009</b> , 23-83	2
179	Pattern Formation Emerging from Stationary Solutal Marangoni Instability: A Roadmap Through the Underlying Hierarchic Structures. <b>2013</b> , 105-121	2
178	Spatial Structures Induced by Chemical Reactions at Interfaces: Survey of some Possible Models and Computerized Pattern Analysis. <b>1984</b> , 146-156	3
177	Fluid Dynamics. <b>1987</b> , 83-139	9
176	Linear Stability of Marangoni-Hartmann-Convection. <b>1992</b> , 285-296	2
175	Some Problems Raised by Marangoni Instability in Spherical Geometry. <b>1992</b> , 71-79	3
174	Stationary Marangoni Instability in a Liquid Layer due to Non-Isothermal Gas Absorption. <b>1992</b> , 91-98	1
173	Instabilities in Fluid Dynamics. <b>1977</b> , 70-78	4
172	Hydrodynamics, Heat and Mass Transfer During Crystal Growth. <b>1984</b> , 87-147	7
171	Surface-Tension-Driven Flow in Crystal Growth Melts. <b>1988</b> , 75-112	30
170	Pattern Selection in the Bhard-Marangoni Instability. <b>1988</b> , 232-239	3

169	Mass Transport and Heat Transfer. <b>1979</b> , 215-394		2
168	Convection and Bulk Transport. <b>1986</b> , 55-92		3
167	Transition to Turbulence in Rayleigh-Bhard Convection. <b>1981</b> , 97-137		30
166	Theoretical Aspects of Interfacial Phenomena and Marangoni Effect. <b>2002</b> , 123-190		3
165	Pattern Selection in Surface Tension Driven Flows. <b>1998</b> , 101-144		0
164	Encyclopedia of Solid Earth Geophysics. <b>2011</b> , 832-851		5
163	Basic Experimental Facts and Introduction to Linear Stability Theory. <b>2012</b> , 29-174		2
162	Onset of Oscillatory Thermocapillary Convection. <b>2013</b> , 85-99		1
161	Chemically Driven Interfacial Instabilities. <b>1984</b> , 233-245		1
160	The Fate of Thin Liquid Films after Coating. <b>1997</b> , 183-205		7
159	Interfacial Phenomena. <b>1971</b> , 293-366		23
158	MARANGONI CONVECTION IN A FLUID LAYER UNDER THE ACTION OF A TRANSVERSE MAGNETIC FIELD. <b>1979</b> , 575-578		2
157	The Effect of Monomolecular Films on the Surface Temperature of Water. <b>1962</b> , 41-58		11
156	Liquid Sloshing Dynamics: Theory and Applications. <b>2005</b> ,		424
155	Thermocapillary modulation of self-rewetting films. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 819, 562-591	3.7	13
154	Exact energy stability of BhardMarangoni convection at infinite Prandtl number. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 822,	3.7	2
153	Thermosolutal Marangoni instability in a viscoelastic liquid film: effect of heating from the free surface. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 909,	3.7	8
152	Self-Organization of Convective Flows and a Cluster of TiO <sub>2</sub> Particles in a Water Film under Local Heating: Interaction of Structures at Micro- and Macrolevels. <b>2020</b> , 124, 25054-25061		1

151	Marangoni convection induced by a nonlinear temperature-dependent surface tension. <b>1986</b> , 47, 23-29	8
150	Marangoni instability, effects of tangential surface viscosity on a deformable interface. <b>1987</b> , 48, 1895-1900	1
149	Structural disorder in Benard-Marangoni convection. <b>1987</b> , 48, 569-576	23
148	Convection de Bhard-Marangoni ; un pendule de Foucault ?. <b>1981</b> , 42, 147-150	10
147	Rle de la tension superficielle dans la convection de Bhard. <b>1990</b> , 24, 153-175	4
146	Wavenumber Selection by Bhard-Marangoni Convection at High Supercritical Number. <b>2017</b> , 34, 054702	2
145	Marangoni flow and mass transfer of power-law non-Newtonian fluids over a disk with suction and injection. <b>2020</b> , 72, 095003	6
144	II. Crystal growth - Priorities in the initial use of Spacelab for crystal growth. <b>1978</b> , 361, 151-156	2
143	Joint effect of advection, diffusion, and capillary attraction on the spatial structure of particle depositions from evaporating droplets. <b>2019</b> , 100, 033304	8
142	Dynamics of a thin film flowing down a heated wall with finite thermal diffusivity. <b>2016</b> , 1,	5
141	Pressure-dependent surface viscosity and its surprising consequences in interfacial lubrication flows. <b>2017</b> , 2,	11
140	Thermocapillary flow of a thin liquid film in a confined two-layer system under a hydrophobic plate. <b>2017</b> , 2,	4
139	Long-wave-instability-induced pattern formation in an evaporating sessile or pendent liquid layer. <b>2018</b> , 3,	3
138	Investigation of the phenomena occurring near the liquid-vapor interface during evaporation of water at low pressures. <b>2018</b> , 3,	5
137	Weakly nonlinear analysis of long-wave Marangoni convection in a liquid layer covered by insoluble surfactant. <b>2019</b> , 4,	4
136	Marangoni instability in the linear Jeffreys fluid with a deformable surface. <b>2020</b> , 5,	5
135	Synchronization of Marangoni waves by temporal modulation of interfacial heat consumption. <b>2020</b> , 5,	1
134	Morphogenesis of polycrystalline dendritic patterns from evaporation of a reactive nanofluid sessile drop. <b>2018</b> , 2,	6

- 133 A numerical model for the thermocapillary flow and heat transfer in a thin liquid film on a microstructured wall. **2007**, 17, 247-262 7
- 132 Influence of Heat Transfer at the Interface on the Thermocapillary Convection in the Adjacent Phase. **2003**, 125, 190-194 7
- 131 Thermal Instability of Fluid Layer Bounded Below by a Solid Layer of Finite Conductivity. **1971**, 31, 283-292 16
- 130 Surface Tension Driven Instability in a Horizontal Layer of Binary Liquid Mixture in the Presence of the Soret Effect. **1979**, 47, 1321-1326 10
- 129 Thermorheological effect on Bhard and Marangoni convections in anisotropic porous media. **2004**, 471-476 5
- 128 Ring Structures from Nanoparticles and Other Nanoscale Building Blocks. **2008**, 3694-3701 0
- 127 Natural convection in low-g environments. **1974**, 5
- 126 Effect of Microbubble Mixtures on the Washing Rate of Surfactant Solutions in a Swirling Flow and an Alternating Flow. **2013**, 50, 332-338 7
- 125 Theoretical consideration on the ignition of hot iron in high pressure oxygen.. **1990**, 10, 1-9 1
- 124 A Review on Hydrodynamical Stability of Thin Film Flowing Along an Inclined Plane. **2019**, 2, 133-142 3
- 123 Effect of Non-Uniform Basic Temperature Gradient on the Onset of Rayleigh-Bhard-Marangoni Electro-Convection in a Micropolar Fluid. **2013**, 04, 1180-1188 2
- 122 Rise of a bubble through a self-rewetting fluid under the combined influence of gravity-driven convection and Marangoni convection. 095440892110487 0
- 121 Thermocapillary instability in the presence of uniform normal electric field: effect of odd viscosity. **2021**, 131, 1 3
- 120 Transient Marangoni convection induced by an isothermal sidewall of a rectangular liquid pool. *Journal of Fluid Mechanics*, **2021**, 928, 3-7 0
- 119 Marangoni convection in an evaporating water droplet. **2021**, 181, 122042 2
- 118 Hydrodynamic Stability in Systems with Intensive Interphase Mass Transfer. **2000**, 389-485
- 117 Bhard Cells: A Centennial Puzzle. **2000**, 165-176
- 116 Formation of Ordered Structure in Liquid Phase and Its Use for Materials Design. Nonlinear Oscillation of Interfacial Properties Induced by Mass-Transfer Through Thermodynamically Unstable Liquid/Liquid Interface.. **2001**, 27, 690-695

- 115 Benard Layers with Heat or Mass Transfer. **2002**, 89-121
- 114 Large Wavelength Disturbances in Two-Fluid BhardMarangoni Convection and Their Control. **2003**, 1-20
- 113 Molecular Dynamics Study of n-Alcohols on Water. **2004**, 25, 152-156
- 112 Coalescence of Aqueous Droplet with Oil/Water Interface under Spontaneous Interfacial Flow due to Oscillatory Dynamics. **2004**, 37, 7-14 1
- 111 Principles of Coating. **2005**, 19-36
- 110 Coating Rheology. **2006**, 2-1-2-14
- 109 On competition between modes of the onset of Marangoni convection with free-slip bottom under magnetic field. **2009**, 31-41
- 108 Interfacial patterns and waves in liquid layers and thin films. **2010**, 1-56
- 107 Qualitative Analysis. **2010**, 187-241
- 106 Stability Analysis. **2010**, 297-401
- 105 General Problems of Propagation of Laser Radiation in Gases and Plasma and Physical Processes on the Surface of Condensed Media. **2011**, 1-44
- 104 Mantle Convection. **2011**, 463-538
- 103 10.2478/s11814-009-0284-6. **2011**, 26, 1461
- 102 The RAM Approach in the Bhard Convection Problem. **2012**, 193-211
- 101 Genesis of BhardMarangoni Patterns in Thin Liquid Films Drying into Air. **2013**, 95-104
- 100 Bibliography. 343-354
- 99 Numerical Simulation of Cavity with an Upper Free Surface. **2014**, 43-49
- 98 Beitrge zur hydrodynamischen Stabilit. **1966**, 806-814

- 97 THERMODYNAMICS OF FLOW AND BIOLOGICAL ORGANIZATION. **1976**, 521-547 1
- 96 Natural Convection in Low-g Environments. **1977**, 173-187
- 95 Passive Spatial Light Modulator. **1980**, 153-161
- 94 Free Convection in One Component Fluid. **1984**, 315-499
- 93 Interfacial Instability in Fluid Layers Under Thermal Constraints. **1984**, 38-48
- 92 Hydrodynamics and Mass Exchange at the Phase Boundaries with Regular Dissipative Structures. **1987**, 47-75 1
- 91 Numerical Solution of the Navier-Stokes Equations Related to a Problem of Marangoni Convection. **1987**, 226-231
- 90 BUOYANCY AND SURFACE-TENSION DRIVEN INSTABILITIES IN PRESENCE OF RANDOM VIBRATIONS. **1988**, 1199-1204
- 89 Experimental Investigations of the Effects of Surface Tension on Convection Caused by Heating from Below. **1988**, 189-198 2
- 88 Some Problems in Marangoni Instability. **1988**, 253-269
- 87 Theories of Convective Instabilities Driven by Thermocapillary Forces. **1988**, 227-251
- 86 Fingering Instability of a Spreading Drop. **1989**, 245-248
- 85 Stability and turbulence. **1990**, 252-304
- 84 Salt-finger convection under reduced gravity. **1990**,
- 83 Interfacial Instabilities, Waves and Solitons Excited by the Marangoni Effect. **1991**, 435-449
- 82 Bibliography. **1991**, 523-545
- 81 Transition Between Different Symmetries in Convection. **1991**, 291-300
- 80 AN ANALYSIS OF THE ONSET OF MARANGONI CONVECTION DURING LIQUID EVAPORATION. **1992**, 247-258

- 79 Influence of the Surface Deformability on Concentration-Dependent, Oscillatory and Stationary Convection in a Liquid Layer. **1993**, 161-170
- 78 Instabilities in a Three-Dimensional Heated Draining Film. **1994**, 425-435
- 77 REFERENCES. **1994**, 465-498
- 76 Buoyancy and pressure effects on bulk metal-oxygen reactions. **1998**,
- 75 The effects of thermal modulation upon the onset of Marangoni-Benard convection - Heating from below. **1998**,
- 74 Ring Structures. 4163-4169
- 73 THE PHENOMENON OF THERMO-CAPILLARY MIGRATION EFFECTED BY SURFACE MICRO-GROOVE.
- 72 Effect of horizontal temperature difference on Marangoni-thermocapillary convection in a shallow annular pool. **2015**, 64, 140202 2
- 71 Flows Instabilities. **2015**, 191
- 70 The effect of magnetic field on Marangoni convection in a nanofluid layer with internal heat source. **2017**,
- 69 Convection in a Two-Layer Liquid System in a Finite Cylinder. **2019**, 60, 842-849
- 68 Encyclopedia of Solid Earth Geophysics. **2020**, 1-21
- 67 References. **1973**, 211-235
- 66 Linear stability analysis of Benard-Marangoni ferroconvection in presence of vertical throughflow. **2020**,
- 65 Linking nonisothermal interfacial temperature and flow field measurements at an evaporating droplet. **2022**, 183, 122141 0
- 64 Thermally-Driven Flows in Polymeric Liquids. **2020**, 0
- 63 Surface Tension Driven Instability Due to Internal Heat Sources in a Horizontal Layer of Binary Liquid Mixture. **1988**, 57, 490-498 1
- 62 Stability of slowly evaporating thin liquid films of binary mixtures. **2020**, 5, 0

61	The influence of the gravity force on instabilities of the floating droplet. <b>2022</b> , 138, 103857	0
60	Heat transfer optimization of Marangoni convective flow of nanofluid over an infinite disk with Stefan blowing and slip effects using Taguchi method. <b>2022</b> , 130, 105822	2
59	Revisiting the NASA surface tension driven convection experiments.. <b>2022</b> , 8, 5	0
58	On the role of heat source location and multiplicity in topographically controlled Marangoni-Rayleigh-Bhard convection. <i>Journal of Fluid Mechanics</i> , <b>2022</b> , 939,	3.7 1
57	Protein Repellent, Surface-Attached Hydrogels Through Spray Coating. 2102359	
56	Transition from Dendritic to Cell-like Crystalline Structures in Drying Droplets of Fetal Bovine Serum under the Influence of Temperature.. <b>2022</b> ,	1
55	Manipulating Crystallization Kinetics in High-Performance Blade-Coated Perovskite Solar Cells via Cosolvent-Assisted Phase Transition.. <b>2022</b> , e2200276	11
54	Capturing the onset of thermocapillary convection in the Cattaneo-Christov flow of electrically conducting thin film of Welan gum solution. 1-19	0
53	The role of plate geometry and boundary type in global plate ductility and mantle convection. <b>2022</b> , 104580	0
52	Hybrid Nanofluid Flow of Non-Newtonian Casson Fluid for the Analysis of Entropy Through a Permeable Medium. <b>2022</b> , 11, 328-339	0
51	Computational simulation of surface tension and gravitation-induced convective flow of a nanoliquid with cross-diffusion: An optimization procedure. <b>2022</b> , 425, 127108	0
50	Heat Transfer of Nanomaterial over an Infinite Disk with Marangoni Convection: A Modified Fourier Heat Flux Model for Solar Thermal System Applications. <b>2021</b> , 11, 11609	0
49	Entropy Optimized Second Grade Fluid with MHD and Marangoni Convection Impacts: An Intelligent Neuro-Computing Paradigm. <b>2021</b> , 11, 1492	9
48	Topographically Controlled Marangoni-Rayleigh-Bhard Convection in Liquid Metals. <b>2021</b> , 6, 447	
47	Long-Wavelength Instabilities Impact Alignment during Blade Coating of a Stretchable Organic Transistor Blend.. <b>2021</b> ,	0
46	Structural changes of a radially symmetric thermocapillary flow in the shallow cavity partially covered by a solid film.	
45	Investigation of Marangoni bio-thermal convection in layers of nanofluid with gyrotactic microorganisms.	0
44	Surface wave and thermocapillary instabilities on flowing film under the sway of Hall viscosity. <b>2022</b> , 133404	1

- 43 Leidenfrost flows: instabilities and symmetry breakings. **2022**, 2,
- 42 Linear stability of a falling film over a heated slippery plane. **2022**, 105,
- 41 Dynamics and stability of weakly viscoelastic film flowing down a uniformly heated slippery incline. **2022**, 7, 1
- 40 Basic Mechanism of Surface Topography Evolution in Electron Beam Based Additive Manufacturing. **2022**, 15, 4754 0
- 39 Thin liquid film as an optical nonlinear-nonlocal medium and memory element in integrated optofluidic reservoir computer. **2022**, 4,
- 38 Rayleigh-Bhard-Marangoni Instability in a Self-rewetting Fluid Layer Overlying a Porous Medium. **2022**, 34,
- 37 Falling liquid films on a slippery substrate with variable fluid properties. **2022**, 104200 1
- 36 Effects of fluid-fluid interfacial properties on the dynamics of bounded viscoelastic thin liquid films. **2022**, 104893 0
- 35 Preparation of Ultrathin Graphene Film via Capillary Liquid Bridge for Uniform Lithium Nucleation in Anode Free Lithium Metal Battery. **2022**,
- 34 Quantitative analysis of the vertical-averaging approximation for evaporating thin liquid films. **2022**, 7, 0
- 33 Evaporation of a water layer under local non-isothermal heating. **2022**, 119383 1
- 32 Numerical study of the thermocapillary instability in a thin liquid film. **2022**, 34, 092117 0
- 31 Marangoni Patterns in a Non-Isothermal Liquid with Deformable Interface Covered by Insoluble Surfactant. **2022**, 6, 53 0
- 30 The influence of temporal heating modulation on non-isothermal floating droplet dynamics. **2022**, 949, 0
- 29 Evaporation-driven liquid flow in sessile droplets. 1
- 28 Light-driven mixing strategy inside a nanofluid droplet by asymmetrical Marangoni flow. 0
- 27 2D Newton Schwarz Legendre Collocation Method for a Convection Problem. **2022**, 10, 3718 0
- 26 Entropy optimization analysis of Marangoni convective flow over a rotating disk moving vertically with an inclined magnetic field and nonuniform heat source. 1

- 25 Three-dimensional non-stationary flow of two immiscible fluids in a rotating horizontal cylinder. **2022**, ○
- 24 Circulating Marangoni flows within droplets in smectic films. **2022**, 106, ○
- 23 The behavior of heat transfer and entropy in a thin layer of liquid under laser heating. **2023**, 185, 108048 1
- 22 Thermocapillary-driven coherent structures by low-Stokes-number particles and their morphology in high-aspect-ratio liquid bridges. **2023**, 203, 123772 ○
- 21 Effects of Uniform and Non-Uniform Temperature Gradients on Marangoni Convection in a Composite Layer with Variable Heat Sources. 64-75 ○
- 20 Linear and Nonlinear Longwave Marangoni Stability of a Thin Liquid Film Above or Below a Thick Wall with Slip in the Presence of Microgravity. **2022**, 34, ○
- 19 Alloy Design for Metal Additive Manufacturing. **2023**, 93-130 ○
- 18 The Tears of Wine. The Marangoni Effect, a Fluid Phenomenon for Self-Assembly and Organization. **2013**, 23-40 ○
- 17 Alloy Design for Metal Additive Manufacturing. **2023**, 131-153 ○
- 16 How Light Drives Material Periodic Patterns Down to the Nanoscale. **2023**, 209-255 ○
- 15 Marangoni convection in a dielectric fluid layer with an AC electric field and nonuniform volumetric heat source due to incident radiation. ○
- 14 Instabilities of a droplet on a liquid substrate heated from below under the action of vibration. **2023**, 152, 104387 ○
- 13 Mini Bhard-Marangoni cells floating over thermocapillary flow in evaporative thin liquid layers. **2023**, 188, 108224 ○
- 12 Rayleigh-Marangoni-Bhard instability in an Oldroyd-B fluid layer overlying a highly porous layer with a deformable surface. **2023**, 209, 124148 ○
- 11 Multicellular structures in thin free liquid films induced by thermocapillary effect. **2023**, 641, 187-196 ○
- 10 Light-Induced Surface Tension Gradients for Hierarchical Assembly of Particles from Liquid Metals. ○
- 9 Spatio-temporal dynamics of a two-layer pressure-driven flow subjected to a wall-normal temperature gradient. **2023**, 957, ○
- 8 The influence of the liquid layer height on the velocity field and evaporation during local heating. 1-21 ○

- 7 Nonlinear three-dimensional patterns of the Marangoni convection in a thin film on a poorly conducting substrate. **2023**, 381, 1
- 6 On the interfacial deformations and thermal characteristics exhibiting self-similar behavior under the action of a line heat source. 0
- 5 Experiments on Marangoni spreading [evidence of a new type of interfacial instability. **2023**, 958, 0
- 4 Evaluation of laser cleaning effect for the removal of paint on aluminum alloys. 0
- 3 Directional crystallization with a mushy region. Part 2: nonlinear analysis of dynamic stability. 0
- 2 ACTIVE CONTROL OF THERMOCAPILLARY CONVECTION OF THE BENARD-MARANGONI TYPE. **2023**, 0
- 1 Marangoni convection in dissipative flow of nanofluid through porous space. **2023**, 13, 0