Piotr Garstecki

List of Publications by Year in Descending Order

164 papers	10,053 citations	46 h-index	98 g-index
183 ext. papers	11,285 ext. citations	7.3 avg, IF	6.31 L-index

#	Paper	IF	Citations
164	Study of Active Janus Particles in the Presence of an Engineered Oil-Water Interface. *Langmuir*, **2021**, 37, 204-210	4	7
163	High-Throughput Monitoring of Bacterial Cell Density in Nanoliter Droplets: Label-Free Detection of Unmodified Gram-Positive and Gram-Negative Bacteria. *Analytical Chemistry*, **2021**, 93, 843-850	7.8	4
162	Biofabricating murine and human myo-substitutes for rapid volumetric muscle loss restoration. *EMBO Molecular Medicine*, **2021**, 13, e12778	12	9
161	A Method for Simultaneous Polishing and Hydrophobization of Polycarbonate for Microfluidic Applications. *Polymers*, **2020**, 12,	4.5	2
160	Split or slip - passive generation of monodisperse double emulsions with cores of varying viscosity in microfluidic tandem step emulsification system.. *RSC Advances*, **2020**, 10, 23058-23065	3.7	3
159	Combinatorial Antimicrobial Susceptibility Testing Enabled by Non-Contact Printing. *Micromachines* , **2020**, 11,	3.3	4
158	Droplet-based digital antibiotic susceptibility screen reveals single-cell clonal heteroresistance in an isogenic bacterial population. *Scientific Reports*, **2020**, 10, 3282	4.9	18
157	Gravity-driven microfluidic assay for digital enumeration of bacteria and for antibiotic susceptibility testing. *Lab on A Chip*, **2020**, 20, 54-63	7.2	14
156	Diffusion and flow in complex liquids. *Soft Matter*, **2020**, 16, 114-124	3.6	12
155	A microfluidic platform for screening and optimization of organic reactions in droplets. *Journal of Flow Chemistry*, **2020**, 10, 397-408	3.3	7
154	Ions in an AC Electric Field: Strong Long-Range Repulsion between Oppositely Charged Surfaces. *Physical Review Letters*, **2020**, 125, 056001	7.4	7
153	Passive and parallel microfluidic formation of droplet interface bilayers (DIBs) for measurement of leakage of small molecules through artificial phospholipid membranes. *Sensors and Actuators B: Chemical*, **2019**, 286, 258-265	8.5	11
152	Accounting for corner flow unifies the understanding of droplet formation in microfluidic channels. *Nature Communications*, **2019**, 10, 2528	17.4	28
151	Oscillating droplet trains in microfluidic networks and their suppression in blood flow. *Nature Physics*, **2019**, 15, 706-713	16.2	16
150	Evaluation of droplet-based microfluidic platforms as a convenient tool for lipases and esterases assays. *Preparative Biochemistry and Biotechnology*, **2019**, 49, 727-734	2.4	2
149	3D-Printing of Functionally Graded Porous Materials Using On-Demand Reconfigurable Microfluidics. *Angewandte Chemie - International Edition*, **2019**, 58, 7620-7625	16.4	49
148	3D-Printing of Functionally Graded Porous Materials Using On-Demand Reconfigurable Microfluidics. *Angewandte Chemie*, **2019**, 131, 7702-7707	3.6	4

147	Non-wetting droplets in capillaries of circular cross-section: Scaling function. *Physics of Fluids*, **2019**, 31, 043102	4.4	3
146	In vivo volumetric imaging by crosstalk-free full-field OCT. *Optica*, **2019**, 6, 608	8.6	21
145	Grooved step emulsification systems optimize the throughput of passive generation of monodisperse emulsions. *Lab on A Chip*, **2019**, 19, 1183-1192	7.2	10
144	Direct droplet digital PCR (dddPCR) for species specific, accurate and precise quantification of bacteria in mixed samples. *Analytical Methods*, **2019**, 11, 5730-5735	3.2	9
143	Recent developments of microfluidics as a tool for biotechnology and microbiology. *Current Opinion in Biotechnology*, **2019**, 55, 60-67	11.4	32
142	Droplet Microfluidics as a Tool for the Generation of Granular Matters and Functional Emulsions. *KONA Powder and Particle Journal*, **2019**, 36, 50-71	3.4	11
141	Wall fluidization in two acts: from stiff to soft roughness. *Soft Matter*, **2018**, 14, 1088-1093	3.6	5
140	Electric Field Assisted Microfluidic Platform for Generation of Tailorable Porous Microbeads as Cell Carriers for Tissue Engineering. *Advanced Functional Materials*, **2018**, 28, 1800874	15.6	19
139	Teflon microreactors for organic syntheses. *Sensors and Actuators B: Chemical*, **2018**, 255, 2274-2281	8.5	11
138	An FEP Microfluidic Reactor for Photochemical Reactions. *Micromachines*, **2018**, 9,	3.3	3
137	Fast selective trapping and release of picoliter droplets in a 3D microfluidic PDMS multi-trap system with bubbles. *Analyst, The*, **2018**, 143, 843-849	5	10
136	Microfluidic screening of antibiotic susceptibility at a single-cell level shows the inoculum effect of cefotaxime on E. coli. *Lab on A Chip*, **2018**, 18, 3668-3677	7.2	21
135	Energy Harvesting: Electric Field Assisted Microfluidic Platform for Generation of Tailorable Porous Microbeads as Cell Carriers for Tissue Engineering (Adv. Funct. Mater. 20/2018). *Advanced Functional Materials*, **2018**, 28, 1870133	15.6	3
134	A passive microfluidic system based on step emulsification allows the generation of libraries of nanoliter-sized droplets from microliter droplets of varying and known concentrations of a sample. *Lab on A Chip*, **2017**, 17, 1323-1331	7.2	27
133	Formation of printable granular and colloidal chains through capillary effects and dielectrophoresis. *Nature Communications*, **2017**, 8, 15255	17.4	23
132	Optimized droplet digital CFU assay (ddCFU) provides precise quantification of bacteria over a dynamic range of 6 logs and beyond. *Lab on A Chip*, **2017**, 17, 1980-1987	7.2	19
131	A precise and accurate microfluidic droplet dilutor. *Analyst, The*, **2017**, 142, 2901-2911	5	18
130	Microfluidic-enhanced 3D bioprinting of aligned myoblast-laden hydrogels leads to functionally organized myofibers in vitro and in vivo. *Biomaterials*, **2017**, 131, 98-110	15.6	184

129	Calibration-free assays on standard real-time PCR devices. *Scientific Reports*, **2017**, 7, 44854	4.9	6
128	Controlled droplet microfluidic systems for multistep chemical and biological assays. *Chemical Society Reviews*, **2017**, 46, 6210-6226	58.5	146
127	Fluidization and wall slip of soft glassy materials by controlled surface roughness. *Physical Review E* , **2017**, 95, 052602	2.4	12
126	An Automated Microfluidic System for the Generation of Droplet Interface Bilayer Networks. *Micromachines*, **2017**, 8, 93	3.3	11
125	Lifetime of Phosphorescence from Nanoparticles Yields Accurate Measurement of Concentration of Oxygen in Microdroplets, Allowing One To Monitor the Metabolism of Bacteria. *Analytical Chemistry*, **2016**, 88, 12006-12012	7.8	16
124	Microfluidic observation of the onset of reactive-infitration instability in an analog fracture. *Geophysical Research Letters*, **2016**, 43, 6907-6915	4.9	28
123	Stable hydrophilic surface of polycarbonate. *Sensors and Actuators B: Chemical*, **2016**, 226, 151-155	8.5	8
122	Antibiograms in five pipetting steps: precise dilution assays in sub-microliter volumes with a conventional pipette. *Lab on A Chip*, **2016**, 16, 893-901	7.2	33
121	Microfluidic platform for reproducible self-assembly of chemically communicating droplet networks with predesigned number and type of the communicating compartments. *Lab on A Chip*, **2016**, 16, 764-72	7.2	38
120	Designing and interpretation of digital assays: Concentration of target in the sample and in the source of sample. *Biomolecular Detection and Quantification*, **2016**, 10, 24-30	12	7
119	Dodecylresorufin (C12R) Outperforms Resorufin in Microdroplet Bacterial Assays. *ACS Applied Materials & Interfaces*, **2016**, 8, 11318-25	9.5	29
118	Droplet microfluidics for microbiology: techniques, applications and challenges. *Lab on A Chip*, **2016** , 16, 2168-87	7.2	224
117	Whole Teflon valves for handling droplets. *Lab on A Chip*, **2016**, 16, 2198-210	7.2	15
116	Nano-liter droplet libraries from a pipette: step emulsificator that stabilizes droplet volume against variation in flow rate. *Lab on A Chip*, **2016**, 16, 2044-9	7.2	32
115	Rational design of digital assays. *Analytical Chemistry*, **2015**, 87, 8203-9	7.8	12
114	Chemical computing with reaction-diffusion processes. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2015**, 373,	3	29
113	Microfluidic Foaming: A Powerful Tool for Tailoring the Morphological and Permeability Properties of Sponge-like Biopolymeric Scaffolds. *ACS Applied Materials & Interfaces*, **2015**, 7, 23660-71	9.5	50
112	Differentiation of morphotic elements in human blood using optical coherence tomography and a microfluidic setup. *Optics Express*, **2015**, 23, 27724-38	3.3	10

111	A droplet microfluidic system for sequential generation of lipid bilayers and transmembrane electrical recordings. *Lab on A Chip*, **2015**, 15, 541-8	7.2	35
110	Scaling up the Throughput of Synthesis and Extraction in Droplet Microfluidic Reactors. *Journal of Flow Chemistry*, **2015**, 5, 110-118	3.3	9
109	Between giant oscillations and uniform distribution of droplets: The role of varying lumen of channels in microfluidic networks. *Physical Review E*, **2015**, 92, 063008	2.4	6
108	Droplet Microfluidic Technique for the Study of Fermentation. *Micromachines*, **2015**, 6, 1514-1525	3.3	9
107	Thin-finger growth and droplet pinch-off in miscible and immiscible displacements in a periodic network of microfluidic channels. *Physics of Fluids*, **2015**, 27, 112109	4.4	9
106	Droplet clusters: exploring the phase space of soft mesoscale atoms. *Physical Review Letters*, **2015**, 114, 188302	7.4	25
105	Blood diagnostics using sedimentation to extract plasma on a fully integrated point-of-care microfluidic system. *Engineering in Life Sciences*, **2015**, 15, 333-339	3.4	8
104	Comment on "Wetting-induced formation of controllable monodisperse multiple emulsions in microfluidics" by N.-N. Deng, W. Wang, X.-J. Ju, R. Xie, D. A. Weitz and L.-Y. Chu, Lab Chip, 2013, 13, 4047. *Lab on A Chip*, **2014**, 14, 1477-8	7.2	5
103	Highly ordered and tunable polyHIPEs by using microfluidics. *Journal of Materials Chemistry B*, **2014**, 2, 2290-2300	7.3	72
102	Generation of Nanoliter Droplets on Demand at Hundred-Hz Frequencies. *Micromachines*, **2014**, 5, 1002-1011	3.3	10
101	Microfluidic traps for hard-wired operations on droplets. *Lab on A Chip*, **2013**, 13, 4096-102	7.2	48
100	Bacterial growth and adaptation in microdroplet chemostats. *Angewandte Chemie - International Edition*, **2013**, 52, 8908-11	16.4	92
99	Simple modular systems for generation of droplets on demand. *Lab on A Chip*, **2013**, 13, 3689-97	7.2	24
98	Bacterial Growth and Adaptation in Microdroplet Chemostats. *Angewandte Chemie*, **2013**, 125, 9076-9079	3.6	16
97	Flow focusing with viscoelastic liquids. *Physics of Fluids*, **2013**, 25, 092001	4.4	43
96	Custom tailoring multiple droplets one-by-one. *Lab on A Chip*, **2013**, 13, 4308-11	7.2	10
95	Block-and-break generation of microdroplets with fixed volume. *Biomicrofluidics*, **2013**, 7, 24108	3.2	35
94	Microfluidic architectures for efficient generation of chemistry gradations in droplets. *Microfluidics and Nanofluidics*, **2013**, 14, 235-245	2.8	13

93	Hydrophilic polycarbonate chips for generation of oil-in-water (O/W) and water-in-oil-in-water (W/O/W) emulsions. *Microfluidics and Nanofluidics*, **2013**, 14, 597-604	2.8	7
92	Hydrophilic polycarbonate chips for generation of oil-in-water (O/W) and water-in-oil-in-water (W/O/W) emulsions. *Microfluidics and Nanofluidics*, **2013**, 14, 767-774	2.8	15
91	A micro-rheological method for determination of blood type. *Lab on A Chip*, **2013**, 13, 2796-801	7.2	25
90	Assessment of the flow velocity of blood cells in a microfluidic device using joint spectral and time domain optical coherence tomography. *Optics Express*, **2013**, 21, 24025-38	3.3	24
89	R□ktitelbild: Bacterial Growth and Adaptation in Microdroplet Chemostats (Angew. Chem. 34/2013). *Angewandte Chemie*, **2013**, 125, 9220-9220	3.6	
88	Polyethyleneimine coating renders polycarbonate resistant to organic solvents. *Lab on A Chip*, **2012** , 12, 2580-4	7.2	22
87	Iterative operations on microdroplets and continuous monitoring of processes within them; determination of solubility diagrams of proteins. *Lab on A Chip*, **2012**, 12, 4022-5	7.2	25
86	The structure and stability of multiple micro-droplets. *Soft Matter*, **2012**, 8, 7269	3.6	141
85	Rapid screening of antibiotic toxicity in an automated microdroplet system. *Lab on A Chip*, **2012**, 12, 1629-37	7.2	175
84	Characterization of Caulobacter crescentus FtsZ protein using dynamic light scattering. *Journal of Biological Chemistry*, **2012**, 287, 23878-86	5.4	21
83	Functionalization of polycarbonate with proteins; open-tubular enzymatic microreactors. *Lab on A Chip*, **2012**, 12, 2743-8	7.2	17
82	Automated Droplet Microfluidic Chips for Biochemical Assays **2012**, 117-136		
81	Automated generation of libraries of nL droplets. *Lab on A Chip*, **2012**, 12, 3995-4002	7.2	37
80	Discontinuous transition in a laminar fluid flow: a change of flow topology inside a droplet moving in a micron-size channel. *Physical Review Letters*, **2012**, 108, 134501	7.4	41
79	Collapse of a nanoscopic void triggered by a spherically symmetric traveling sound wave. *Physical Review E*, **2012**, 85, 056303	2.4	7
78	Applications of Polymer Particles **2011**, 1-6		1
77	Synthesis of Polymer Particles in Microfluidic Reactors **2011**, 109-145		2
76	Hydrophobic modification of polycarbonate for reproducible and stable formation of biocompatible microparticles. *Lab on A Chip*, **2011**, 11, 748-52	7.2	39

75	Introduction to Microfluidics **2011**, 16-21		
74	Effects of unsteadiness of the rates of flow on the dynamics of formation of droplets in microfluidic systems. *Lab on A Chip*, **2011**, 11, 173-5	7.2	75
73	Speed of flow of individual droplets in microfluidic channels as a function of the capillary number, volume of droplets and contrast of viscosities. *Lab on A Chip*, **2011**, 11, 3603-8	7.2	64
72	Bubbles navigating through networks of microchannels. *Lab on A Chip*, **2011**, 11, 3970-8	7.2	27
71	**2011**,		41
70	Formation of Droplets in Microfluidic Systems **2011**, 41-94		1
69	High-Throughput Microfluidic Systems for Formation of Droplets **2011**, 95-108		
68	Microfluidic Production of Hydrogel Particles **2011**, 146-169		1
67	Automated high-throughput generation of droplets. *Lab on A Chip*, **2011**, 11, 3593-5	7.2	33
66	Hydrophilic polycarbonate for generation of oil in water emulsions in microfluidic devices. *Lab on A Chip*, **2011**, 11, 1151-6	7.2	24
65	Microfluidic formulation of pectin microbeads for encapsulation and controlled release of nanoparticles. *Biomicrofluidics*, **2011**, 5, 13405	3.2	31
64	Ionic polarization of liquid-liquid interfaces; dynamic control of the rate of electro-coalescence. *Applied Physics Letters*, **2011**, 99, 094101	3.4	9
63	Polymer Capsules **2011**, 170-191		1
62	Microfluidic Synthesis of Polymer Particles with Non-Conventional Shapes **2011**, 192-214		4
61	Physics of Microfluidic Emulsification **2011**, 22-40		1
60	Methods for the Generation of Polymer Particles **2011**, 7-15		0
59	Bonding of microfluidic devices fabricated in polycarbonate. *Lab on A Chip*, **2010**, 10, 1324-7	7.2	112
58	Transport of resistance through a long microfluidic channel. *Physical Review E*, **2010**, 82, 056301	2.4	6

57	Large-scale molecular dynamics verification of the Rayleigh-Plesset approximation for collapse of nanobubbles. *Physical Review E*, **2010**, 82, 066309	2.4	17
56	Dynamic memory in a microfluidic system of droplets traveling through a simple network of microchannels. *Lab on A Chip*, **2010**, 10, 484-93	7.2	52
55	Droplet on demand system utilizing a computer controlled microvalve integrated into a stiff polymeric microfluidic device. *Lab on A Chip*, **2010**, 10, 512-8	7.2	48
54	High-throughput automated droplet microfluidic system for screening of reaction conditions. *Lab on A Chip*, **2010**, 10, 816-8	7.2	93
53	Formation of Droplets and Bubbles in Microfluidic Systems. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2010**, 163-181	0.1	11
52	Transport of Droplets in Microfluidic Systems. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2010**, 183-202	0.1	
51	Propulsion of flexible polymer structures in a rotating magnetic field. *Journal of Physics Condensed Matter*, **2009**, 21, 204110	1.8	51
50	Thousand-fold acceleration of phase decomposition in polymer/liquid crystal blends. *ChemPhysChem*, **2009**, 10, 2620-2	3.2	2
49	Dynamic charge separation in a liquid crystalline meniscus. *Soft Matter*, **2009**, 5, 2352-2360	3.6	3
48	Swimming at low Reynolds numbers□motility of micro-organisms. *Journal of Physics Condensed Matter*, **2009**, 21, 200301	1.8	6
47	Simultaneous generation of droplets with different dimensions in parallel integrated microfluidic droplet generators. *Soft Matter*, **2008**, 4, 258-262	3.6	86
46	Interfacial instabilities in a microfluidic Hele-Shaw cell. *Soft Matter*, **2008**, 4, 1403-1413	3.6	52
45	Emulsification in a microfluidic flow-focusing device: effect of the viscosities of the liquids. *Microfluidics and Nanofluidics*, **2008**, 5, 585-594	2.8	264
44	Formation of bubbles and droplets in parallel, coupled flow-focusing geometries. *Small*, **2008**, 4, 1795-805	11	98
43	Transition from squeezing to dripping in a microfluidic T-shaped junction. *Journal of Fluid Mechanics* , **2008**, 595, 141-161	3.7	485
42	Screening of the effect of surface energy of microchannels on microfluidic emulsification. *Langmuir* , **2007**, 23, 8010-4	4	72
41	Net charge and electrophoretic mobility of lysozyme charge ladders in solutions of nonionic surfactant. *Journal of Physical Chemistry B*, **2007**, 111, 5503-10	3.4	13
40	Synthesis of composite emulsions and complex foams with the use of microfluidic flow-focusing devices. *Small*, **2007**, 3, 1792-802	11	72

39	Coding/decoding and reversibility of droplet trains in microfluidic networks. *Science*, **2007**, 315, 828-32	33.3	192
38	Bifurcation of droplet flows within capillaries. *Physical Review E*, **2006**, 74, 036311	2.4	72
37	Tessellation of a stripe. *Physical Review E*, **2006**, 73, 031603	2.4	16
36	Bubbling in unbounded coflowing liquids. *Physical Review Letters*, **2006**, 96, 124504	7.4	44
35	Diffusion and viscosity in a crowded environment: from nano- to macroscale. *Journal of Physical Chemistry B*, **2006**, 110, 25593-7	3.4	87
34	Mixing with bubbles: a practical technology for use with portable microfluidic devices. *Lab on A Chip* , **2006**, 6, 207-12	7.2	116
33	Flowing crystals: nonequilibrium structure of foam. *Physical Review Letters*, **2006**, 97, 024503	7.4	54
32	Formation of droplets and bubbles in a microfluidic T-junction-scaling and mechanism of break-up. *Lab on A Chip*, **2006**, 6, 437-46	7.2	1550
31	Flowing lattices of bubbles as tunable, self-assembled diffraction gratings. *Small*, **2006**, 2, 1292-8	11	58
30	Design for mixing using bubbles in branched microfluidic channels. *Applied Physics Letters*, **2005**, 86, 244108	3.4	75
29	Oscillations with uniquely long periods in a microfluidic bubble generator. *Nature Physics*, **2005**, 1, 168-171	16.2	62
28	Escherichia coli swim on the right-hand side. *Nature*, **2005**, 435, 1271-4	50.4	341
27	Combining microscience and neurobiology. *Current Opinion in Neurobiology*, **2005**, 15, 560-7	7.6	49
26	Generation of monodisperse particles by using microfluidics: control over size, shape, and composition. *Angewandte Chemie - International Edition*, **2005**, 44, 724-8	16.4	642
25	Generation of Monodisperse Particles by Using Microfluidics: Control over Size, Shape, and Composition. *Angewandte Chemie - International Edition*, **2005**, 44, 3799-3799	16.4	52
24	Generation of Monodisperse Particles by Using Microfluidics: Control over Size, Shape, and Composition. *Angewandte Chemie*, **2005**, 117, 734-738	3.6	152
23	Generation of Monodisperse Particles by Using Microfluidics: Control over Size, Shape, and Composition. *Angewandte Chemie*, **2005**, 117, 3865-3865	3.6	15
22	An Axisymmetric Flow-Focusing Microfluidic Device. *Advanced Materials*, **2005**, 17, 1067-1072	24	299

21	Mechanism for flow-rate controlled breakup in confined geometries: a route to monodisperse emulsions. *Physical Review Letters*, **2005**, 94, 164501	7.4	426
20	Nonlinear dynamics of a flow-focusing bubble generator: an inverted dripping faucet. *Physical Review Letters*, **2005**, 94, 234502	7.4	100
19	Microoxen: microorganisms to move microscale loads. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 11963-7	11.5	281
18	Dynamic control of liquid-core/liquid-cladding optical waveguides. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12434-8	11.5	226
17	Self-assembled aggregates of IgGs as templates for the growth of clusters of gold nanoparticles. *Angewandte Chemie - International Edition*, **2004**, 43, 1555-8	16.4	42
16	Self-Assembled Aggregates of IgGs as Templates for the Growth of Clusters of Gold Nanoparticles. *Angewandte Chemie*, **2004**, 116, 1581-1584	3.6	6
15	Liquids with internal surfaces at and out of equilibrium: the homogeneity index. *Journal of Molecular Liquids*, **2004**, 112, 29-35	6	
14	Formation of monodisperse bubbles in a microfluidic flow-focusing device. *Applied Physics Letters*, **2004**, 85, 2649-2651	3.4	501
13	Scattering Patterns of Multiply Continuous Cubic Phases in Block Copolymers. I. The Model. *Macromolecules*, **2003**, 36, 9181-9190	5.5	12
12	Scattering Patterns of Multiply Continuous Cubic Phases in Block Copolymers. II. Application to Various Triply Periodic Architectures. *Macromolecules*, **2003**, 36, 9191-9198	5.5	6
11	Multiple photonic band gaps in the structures composed of core-shell particles. *Journal of Applied Physics*, **2003**, 94, 4244-4247	2.5	14
10	Photonic properties of an inverted face centered cubic opal under stretch and shear. *Applied Physics Letters*, **2003**, 82, 1553-1555	3.4	8
9	Two-dimensional colloid crystals obtained by coupling of flow and confinement. *Physical Review Letters*, **2003**, 91, 128301	7.4	60
8	Photonic properties of multicontinuous cubic phases. *Physical Review B*, **2002**, 66,	3.3	22
7	Scattering Patterns of Self-Assembled Cubic Phases. 2. Analysis of the Experimental Spectra. *Langmuir*, **2002**, 18, 2529-2537	4	44
6	Scattering Patterns of Self-Assembled Cubic Phases. 1. The Model. *Langmuir*, **2002**, 18, 2519-2528	4	42
5	Scattering patterns of self-assembled gyroid cubic phases in amphiphilic systems. *Journal of Chemical Physics*, **2001**, 115, 1095-1099	3.9	11
4	Periodic surfaces of simple and complex topology: comparison of scattering patterns. *Physical Review E*, **2001**, 64, 021501	2.4	14

3	Scattering on triply periodic minimal surfaces: the effect of the topology, Debye-Waller, and molecular form factors. *Journal of Chemical Physics*, **2000**, 113, 3772-3779	3.9	16
2	Energy landscapes, supergraphs, and "folding funnels" in spin systems. *Physical Review E*, **1999**, 60, 3219-226	2.4	54
1	Antibiotic inhibition of bacteria growth in droplets reveals heteroresistance pattern at the single cell level.		1