

Ping Sheng

List of Publications by Year in Descending Order

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

430
papers

30,254
citations

83
h-index

165
g-index

465
ext. papers

33,302
ext. citations

5.2
avg. IF

7.23
L-index

#	Paper	IF	Citations
430	Manipulation of Low-Frequency Sound with a Tunable Active Metamaterial Panel. <i>Physical Review Applied</i> , 2022 , 17,	4.3	1
429	Microwave and Acoustic Absorption Metamaterials. <i>Physical Review Applied</i> , 2022 , 17,	4.3	5
428	Underwater metamaterial absorber with impedance-matched composite.. <i>Science Advances</i> , 2022 , 8, eabm4206	14.3	5
427	Going Beyond the Causal Limit in Acoustic Absorption. <i>Physical Review Applied</i> , 2021 , 16,	4.3	4
426	A Focus on Interfaces. <i>Engineering</i> , 2021 , 7, 552-552	9.7	
425	Acoustic metamaterials. <i>Journal of Applied Physics</i> , 2021 , 129, 171103	2.5	15
424	Correlation in thermal fluctuations induced by phase-locked hydrodynamic modes. <i>Physical Review E</i> , 2021 , 103, 053106	2.4	
423	Peierls-type metal-insulator transition in carbon nanostructures. <i>Carbon</i> , 2021 , 172, 106-111	10.4	1
422	Conceptual-based design of an ultrabroadband microwave metamaterial absorber. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	13
421	Decomposing thermal fluctuations with hydrodynamic modes. <i>Physical Review E</i> , 2020 , 101, 063104	2.4	2
420	Minimizing Indoor Sound Energy with Tunable Metamaterial Surfaces. <i>Physical Review Applied</i> , 2020 , 14,	4.3	5
419	Non-Stokes drag coefficient in single-particle electrophoresis: New insights on a classical problem. <i>Chinese Physics B</i> , 2019 , 28, 084701	1.2	2
418	High-flux water desalination with interfacial salt sieving effect in nanoporous carbon composite membranes. <i>Nature Nanotechnology</i> , 2018 , 13, 345-350	28.7	106
417	Breaking the barriers: advances in acoustic functional materials. <i>National Science Review</i> , 2018 , 5, 159-182	20.8	102
416	Towards anti-causal Green's function for three-dimensional sub-diffraction focusing. <i>Nature Physics</i> , 2018 , 14, 608-612	16.2	30
415	An Integration Strategy for Acoustic Metamaterials to Achieve Absorption by Design. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1247	2.6	13
414	A critical path approach for elucidating the temperature dependence of granular hopping conduction. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	5

413	Shaping reverberating sound fields with an actively tunable metasurface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 6638-6643	11.5	69
412	Perspective: Acoustic metamaterials in transition. <i>Journal of Applied Physics</i> , 2018 , 123, 090901	2.5	55
411	Giant enhancement of superconductivity in arrays of ultrathin gallium and zinc sub-nanowires embedded in zeolite. <i>Materials Today Physics</i> , 2018 , 6, 38-44	8	1
410	Fabrication and molecular transport studies of highly c-Oriented AFI membranes. <i>Journal of Membrane Science</i> , 2017 , 528, 46-54	9.6	17
409	Observation of high Tc one dimensional superconductivity in 4 angstrom carbon nanotube arrays. <i>AIP Advances</i> , 2017 , 7, 025305	1.5	8
408	Regulating Top-Surface Multilayer/Single-Crystal Graphene Growth by CO_2 Etching/Carbon Diffusion at Backside of the Copper Foil. <i>Advanced Functional Materials</i> , 2017 , 27, 1700121	15.6	30
407	Optimal sound-absorbing structures. <i>Materials Horizons</i> , 2017 , 4, 673-680	14.4	213
406	Concurrent fast growth of sub-centimeter single-crystal graphene with controlled nucleation density in a confined channel. <i>Nanoscale</i> , 2017 , 9, 9631-9640	7.7	12
405	Inducing and Manipulating Heteroelectronic States in a Single MoS_2 Thin Flake. <i>Physical Review Letters</i> , 2017 , 119, 147002	7.4	15
404	Optimal sound absorbing structures 2017 ,		4
403	Berry Curvature and Nonlocal Transport Characteristics of Antidot Graphene. <i>Physical Review X</i> , 2017 , 7,	9.1	2
402	Sound Absorption Structures: From Porous Media to Acoustic Metamaterials. <i>Annual Review of Materials Research</i> , 2017 , 47, 83-114	12.8	210
401	Polarization bandgaps and fluid-like elasticity in fully solid elastic metamaterials. <i>Nature Communications</i> , 2016 , 7, 13536	17.4	60
400	Spatial variation of charge carrier density in graphene under a large bias current. <i>Physical Review B</i> , 2016 , 93,	3.3	2
399	Acoustic metamaterials: From local resonances to broad horizons. <i>Science Advances</i> , 2016 , 2, e1501595	14.3	662
398	The Poisson-Boltzmann equation and the charge separation phenomenon at the silica-water interface: A holistic approach. <i>Annals of Mathematical Sciences and Applications</i> , 2016 , 1, 217-249	1.3	1
397	Membrane-type resonator as an effective miniaturized tuned vibration mass damper. <i>AIP Advances</i> , 2016 , 6, 085212	1.5	18
396	Geometric phase and band inversion in periodic acoustic systems. <i>Nature Physics</i> , 2015 , 11, 240-244	16.2	348

395	Theoretical requirements for broadband perfect absorption of acoustic waves by ultra-thin elastic meta-films. <i>Scientific Reports</i> , 2015 , 5, 12139	4.9	52
394	Measurement of contact-line dissipation in a nanometer-thin soap film. <i>Physical Review E</i> , 2015 , 91, 012404	4.0	6
393	Active control of membrane-type acoustic metamaterial by electric field. <i>Applied Physics Letters</i> , 2015 , 106, 091904	3.4	104
392	Sound absorption by subwavelength membrane structures: A geometric perspective. <i>Comptes Rendus - Mecanique</i> , 2015 , 343, 635-644	2.1	60
391	Subwavelength total acoustic absorption with degenerate resonators. <i>Applied Physics Letters</i> , 2015 , 107, 104104	3.4	157
390	Determining hydrodynamic boundary conditions from equilibrium fluctuations. <i>Physical Review E</i> , 2015 , 92, 043007	2.4	23
389	Subwavelength perfect acoustic absorption in membrane-type metamaterials: a geometric perspective. <i>EPJ Applied Metamaterials</i> , 2015 , 2, 10	0.8	15
388	Controlled removal of monolayers for bilayer graphene preparation and visualization. <i>RSC Advances</i> , 2015 , 5, 25471-25476	3.7	6
387	1D to 3D dimensional crossover in the superconducting transition of the quasi-one-dimensional carbide superconductor Sc ₃ CoC ₄ . <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 075702	1.8	10
386	Probing the electron states and metal-insulator transition mechanisms in molybdenum disulphide vertical heterostructures. <i>Nature Communications</i> , 2015 , 6, 6088	17.4	151
385	Acoustic metasurface with hybrid resonances. <i>Nature Materials</i> , 2014 , 13, 873-8	27	585
384	Electric-field-induced forces between two surfaces filled with an insulating liquid: the role of adsorbed water. <i>EPJ Applied Physics</i> , 2014 , 66, 31301	1.1	
383	Measurement of the friction coefficient of a fluctuating contact line using an AFM-based dual-mode mechanical resonator. <i>Chinese Physics B</i> , 2014 , 23, 116802	1.2	7
382	Phonon spectrum and electron-phonon coupling in zigzag graphene nanoribbons. <i>Physical Review B</i> , 2014 , 89,	3.3	6
381	Negative correlation between charge carrier density and mobility fluctuations in graphene. <i>Physical Review B</i> , 2014 , 90,	3.3	9
380	Self-Consistent Approach to Global Charge Neutrality in Electrokinetics: A Surface Potential Trap Model. <i>Physical Review X</i> , 2014 , 4,	9.1	11
379	Homogenization scheme for acoustic metamaterials. <i>Physical Review B</i> , 2014 , 89,	3.3	90
378	New developments in the growth of 4 Angstrom carbon nanotubes in linear channels of zeolite template. <i>Carbon</i> , 2014 , 76, 401-409	10.4	8

377	An energetic variational approach for ion transport. <i>Communications in Mathematical Sciences</i> , 2014 , 12, 779-789	1	33
376	Direct measurement of friction of a fluctuating contact line. <i>Physical Review Letters</i> , 2013 , 111, 026101	7.4	33
375	Large-scale mesoscopic transport in nanostructured graphene. <i>Physical Review Letters</i> , 2013 , 110, 066805	7.4	20
374	Generalized Onsager theory of liquid crystals. <i>Physical Review E</i> , 2013 , 88, 062501	2.4	7
373	Soft silicone rubber in phononic structures: Correct elastic moduli. <i>Physical Review B</i> , 2013 , 88,	3.3	33
372	Coupled membranes with doubly negative mass density and bulk modulus. <i>Physical Review Letters</i> , 2013 , 110, 134301	7.4	219
371	"Giant" enhancement of the upper critical field and fluctuations above the bulk T _c in superconducting ultrathin lead nanowire arrays. <i>ACS Nano</i> , 2013 , 7, 4187-93	16.7	30
370	Dynamic Mass Density and Acoustic Metamaterials. <i>Springer Series in Solid-state Sciences</i> , 2013 , 159-199	0.4	14
369	Acoustic surface-guided modes in phononic crystals. <i>Europhysics Letters</i> , 2013 , 104, 34005	1.6	5
368	Superconducting versus semiconducting electronic ground state in chirality-specific double-wall carbon nanotubes. <i>New Journal of Physics</i> , 2013 , 15, 083021	2.9	1
367	Low-frequency narrow-band acoustic filter with large orifice. <i>Applied Physics Letters</i> , 2013 , 103, 011903	3.4	71
366	Density of States and Its Local Fluctuations Determined by Capacitance of Strongly Disordered Graphene. <i>Scientific Reports</i> , 2013 , 3,	4.9	19
365	Fabrication of iron oxide/silica core-shell nanoparticles and their magnetic characteristics. <i>Journal of Alloys and Compounds</i> , 2012 , 543, 43-48	5.7	33
364	Anisotropic dynamic mass density for fluid-solid composites. <i>Physica B: Condensed Matter</i> , 2012 , 407, 4093-4096	2.8	6
363	Smart electroresponsive droplets in microfluidics. <i>Soft Matter</i> , 2012 , 8, 11589	3.6	28
362	Electrorheological Fluids: Mechanisms, Dynamics, and Microfluidics Applications. <i>Annual Review of Fluid Mechanics</i> , 2012 , 44, 143-174	22	148
361	Superconductivity in bundles of double-wall carbon nanotubes. <i>Scientific Reports</i> , 2012 , 2, 625	4.9	38
360	Superconductivity in 4-Angstrom carbon nanotubes--a short review. <i>Nanoscale</i> , 2012 , 4, 21-41	7.7	26

359	Dark acoustic metamaterials as super absorbers for low-frequency sound. <i>Nature Communications</i> , 2012 , 3, 756	17.4	634
358	Dimensional crossover transition in a system of weakly coupled superconducting nanowires. <i>New Journal of Physics</i> , 2012 , 14, 103018	2.9	7
357	Crossover from Peierls distortion to one-dimensional superconductivity in arrays of (5,0) carbon nanotubes. <i>Physical Review B</i> , 2011 , 84,	3.3	10
356	Fano effect of metamaterial resonance in terahertz extraordinary transmission. <i>Applied Physics Letters</i> , 2011 , 98, 011911	3.4	35
355	MICROSCOPIC MECHANISM OF THE GIANT ELECTORRHEOLOGICAL EFFECT. <i>International Journal of Modern Physics B</i> , 2011 , 25, 897-903	1.1	1
354	Design and fabrication of microfluidic mixer from carbonyl iron/PDMS composite membrane. <i>Microfluidics and Nanofluidics</i> , 2011 , 10, 919-925	2.8	56
353	Single-phase electrorheological effect in microgravity. <i>Soft Matter</i> , 2011 , 7, 7198	3.6	3
352	Maximum efficiency of the electro-osmotic pump. <i>Physical Review E</i> , 2011 , 83, 066303	2.4	7
351	Hybrid elastic solids. <i>Nature Materials</i> , 2011 , 10, 620-4	27	319
350	Graphene magnetoresistance device in van der Pauw geometry. <i>Nano Letters</i> , 2011 , 11, 2973-7	11.5	37
349	Digital flow control of electroosmotic pump: Onsager coefficients and interfacial parameters determination. <i>Solid State Communications</i> , 2011 , 151, 440-445	1.6	8
348	Ultrasonic wave transport in a system of disordered resonant scatterers: Propagating resonant modes and hybridization gaps. <i>Physical Review B</i> , 2011 , 84,	3.3	37
347	Electron localization in metal-decorated graphene. <i>Physical Review B</i> , 2011 , 84,	3.3	34
346	Observation of the Meissner state in superconducting arrays of 4- μ m carbon nanotubes. <i>Physical Review B</i> , 2011 , 83,	3.3	6
345	Transformation optics and metamaterials. <i>Nature Materials</i> , 2010 , 9, 387-96	27	835
344	Giant electrorheological effect: a microscopic mechanism. <i>Physical Review Letters</i> , 2010 , 105, 046001	7.4	37
343	Acoustic metamaterial panels for sound attenuation in the 50-1000 Hz regime. <i>Applied Physics Letters</i> , 2010 , 96, 041906	3.4	313
342	Superconducting resistive transition in coupled arrays of 4- μ m carbon nanotubes. <i>Physical Review B</i> , 2010 , 81,	3.3	31

341	Giant electrorheological fluid comprising nanoparticles: Carbon nanotube composite. <i>Journal of Applied Physics</i> , 2010 , 107, 093507	2.5	25
340	Subwavelength waveguiding and imaging with a one-dimensional array of metallic H-fractals. <i>New Journal of Physics</i> , 2010 , 12, 073021	2.9	1
339	Droplet spreading driven by van der Waals force: a molecular dynamics study. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 325101	1.8	7
338	Photonic Metamaterials Based on Fractal Geometry 2010 , 215-245		
337	Characteristics of Terahertz Radiation Emitted From Fractal Photoconductive Antennas. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 070205	1.4	5
336	Resonant terahertz transmissions through metal hole array on silicon substrate. <i>Optics Express</i> , 2010 , 18, 18558-64	3.3	8
335	Acoustic analog of electromagnetically induced transparency in periodic arrays of square rods. <i>Physical Review E</i> , 2010 , 82, 026601	2.4	47
334	Hydrodynamic boundary conditions: An emergent behavior of fluid-solid interactions. <i>Solid State Communications</i> , 2010 , 150, 976-989	1.6	1
333	Electrorheology: Statics and dynamics. <i>Solid State Communications</i> , 2010 , 150, 1023-1039	1.6	26
332	1D goes 2D: A Berezinskii-Kosterlitz-Thouless transition in superconducting arrays of 4-Angstrom carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2968-2973	1.3	2
331	Quantum interference Hall effect in nanopatterned two-dimensional electron gas systems. <i>Physical Review B</i> , 2009 , 79,	3.3	1
330	Development of an atomic-force-microscope-based hanging-fiber rheometer for interfacial microrheology. <i>Physical Review E</i> , 2009 , 80, 061604	2.4	29
329	Superconducting characteristics of 4-A carbon nanotube-zeolite composite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7299-303	11.5	57
328	Negative compressibility of selenium chains confined in the channels of AlPO ₄₋₅ single crystals. <i>New Journal of Physics</i> , 2009 , 11, 103014	2.9	13
327	Modeling and simulations for molecular scale hydrodynamics of the moving contact line in immiscible two-phase flows. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 464119	1.8	8
326	Design and Fabrication of Magnetically Functionalized Core/Shell Microspheres for Smart Drug Delivery. <i>Advanced Functional Materials</i> , 2009 , 19, 292-297	15.6	102
325	Magnetic properties, microstructures and magnetoresistance effect in Co/Alq ₃ granular films. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 418-422	2.8	7
324	Microfluidic fabrication of porous polymer microspheres: dual reactions in single droplets. <i>Langmuir</i> , 2009 , 25, 7072-7	4	55

323	Emission of terahertz radiations from fractal antennas. <i>Applied Physics Letters</i> , 2009 , 95, 221111	3.4	24
322	Fluctuation-induced tunneling conduction through nanoconstrictions. <i>Physical Review B</i> , 2009 , 79,	3.3	34
321	Generation and manipulation of smart droplets. <i>Soft Matter</i> , 2009 , 5, 576-581	3.6	67
320	Localized and delocalized surface-plasmon-mediated light tunneling through monolayer hexagonal-close-packed metallic nanoshells. <i>Physical Review B</i> , 2009 , 80,	3.3	35
319	Polydimethylsiloxane microfluidic chip with integrated microheater and thermal sensor. <i>Biomicrofluidics</i> , 2009 , 3, 12005	3.2	64
318	Design and integration of an all-in-one biomicrofluidic chip. <i>Biomicrofluidics</i> , 2008 , 2, 34103	3.2	48
317	Electrorheological fluids: structures and mechanisms. <i>Soft Matter</i> , 2008 , 4, 200-210	3.6	183
316	Membrane-type acoustic metamaterial with negative dynamic mass. <i>Physical Review Letters</i> , 2008 , 101, 204301	7.4	641
315	Terahertz electric response of fractal metamaterial structures. <i>Physical Review B</i> , 2008 , 77,	3.3	56
314	Onsager Principle and Electrorheological Fluid Dynamics. <i>Progress of Theoretical Physics Supplement</i> , 2008 , 175, 131-143		12
313	Influence of liquid phase on nanoparticle-based giant electrorheological fluid. <i>Nanotechnology</i> , 2008 , 19, 165602	3.4	40
312	Electrorheological fluid dynamics. <i>Physical Review Letters</i> , 2008 , 101, 194503	7.4	30
311	Conductance spectra of metallic carbon nanotube bundles from first principles. <i>Physical Review B</i> , 2008 , 78,	3.3	6
310	Acoustic wave transmission through a bullseye structure. <i>Applied Physics Letters</i> , 2008 , 92, 124106	3.4	47
309	Three-dimensional metallic fractals and their photonic crystal characteristics. <i>Physical Review B</i> , 2008 , 77,	3.3	19
308	Resonant Raman scattering of the smallest single-walled carbon nanotubes. <i>Physical Review Letters</i> , 2008 , 101, 047402	7.4	50
307	Generalized nematic hydrodynamic boundary conditions with application to bistable twisted nematic liquid-crystal displays. <i>Physical Review E</i> , 2008 , 78, 061703	2.4	2
306	Magnetically responsive elastic microspheres. <i>Applied Physics Letters</i> , 2008 , 92, 012108	3.4	41

305	Manipulations of microfluidic droplets using electrorheological carrier fluid. <i>Physical Review E</i> , 2008 , 78, 066305	2.4	22
304	Moving contact line on chemically patterned surfaces. <i>Journal of Fluid Mechanics</i> , 2008 , 605, 59-78	3.7	100
303	A scaling approach to the derivation of hydrodynamic boundary conditions. <i>Journal of Fluid Mechanics</i> , 2008 , 611, 333-364	3.7	9
302	Silica-polypyrrole core-shell nanocomposites as active materials for dielectrophoretic displays. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 4353-9	1.3	5
301	Continuum Modelling of Nanoscale Hydrodynamics 2008 , 99-116		1
300	Fabrication of Copper Nanowire Encapsulated in the Pore Channels of SBA-15 by Metal Organic Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12536-12541	3.8	39
299	Effective dynamic mass density of composites. <i>Physical Review B</i> , 2007 , 76,	3.3	73
298	Tuning Fabry-Perot resonances via diffraction evanescent waves. <i>Physical Review B</i> , 2007 , 76,	3.3	132
297	Surface resonant-states-enhanced acoustic wave tunneling in two-dimensional phononic crystals. <i>Physical Review Letters</i> , 2007 , 99, 044301	7.4	27
296	Generalizing the Concept of Negative Medium to Acoustic Waves. <i>Springer Series in Materials Science</i> , 2007 , 183-215	0.9	10
295	Characterizing and Patterning of PDMS-Based Conducting Composites. <i>Advanced Materials</i> , 2007 , 19, 2682-2686	24	307
294	Micropumps Based on the Enhanced Electroosmotic Effect of Aluminum Oxide Membranes. <i>Advanced Materials</i> , 2007 , 19, 4234-4237	24	40
293	Kinetic energy operator approach to the quantum three-body problem with Coulomb interactions. <i>Solid State Communications</i> , 2007 , 141, 173-177	1.6	3
292	Ground and excited states of three-electron quantum dots. <i>Solid State Communications</i> , 2007 , 142, 551-555		2
291	Numerical study of metastability due to tunneling: The quantum string method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 379, 491-502	3.3	13
290	Dynamic mass density and acoustic metamaterials. <i>Physica B: Condensed Matter</i> , 2007 , 394, 256-261	2.8	91
289	HYDRODYNAMIC BOUNDARY CONDITION AT THE FLUID-SOLID INTERFACE. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4131-4143	1.1	3
288	Micro thermoindicators and optical-electronic temperature control for microfluidic applications. <i>Applied Physics Letters</i> , 2007 , 91, 093513	3.4	17

287	Real-time detection, control, and sorting of microfluidic droplets. <i>Biomicrofluidics</i> , 2007 , 1, 44101	3.2	106
286	Meissner effect in a system of coupled one-dimensional superconducting wires: Monte Carlo simulations. <i>Physical Review B</i> , 2007 , 75,	3.3	2
285	FORMATION OF POLARIZED CONTACT LAYERS AND THE GIANT ELECTORRHEOLOGICAL EFFECT. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4907-4913	1.1	4
284	Paperlike thermochromic display. <i>Applied Physics Letters</i> , 2007 , 90, 213508	3.4	41
283	Microfluidic Manipulation in Lab-chips Using Electrorheological Fluid. <i>Journal of Intelligent Material Systems and Structures</i> , 2007 , 18, 1187-1190	2.3	9
282	Field-induced giant static dielectric constant in nano-particle aggregates at room temperature. <i>Philosophical Magazine</i> , 2006 , 86, 2393-2398	1.6	6
281	Applied physics. Waves on the horizon. <i>Science</i> , 2006 , 313, 1399-400	33.3	12
280	Hybrid approach to high-frequency microfluidic mixing. <i>Physical Review Letters</i> , 2006 , 97, 044501	7.4	38
279	Electrorheological fluid-actuated microfluidic pump. <i>Applied Physics Letters</i> , 2006 , 89, 083505	3.4	36
278	Electrorheological fluid-actuated flexible platform. <i>Applied Physics Letters</i> , 2006 , 88, 173505	3.4	13
277	Realization of optical periodic quasicrystals using holographic lithography. <i>Applied Physics Letters</i> , 2006 , 88, 051901	3.4	52
276	Substrate patterning for liquid crystal alignment by optical interference. <i>Applied Physics Letters</i> , 2006 , 88, 243508	3.4	18
275	Active microfluidic mixer chip. <i>Applied Physics Letters</i> , 2006 , 88, 153508	3.4	51
274	Static shear modulus of electrorheological fluids. <i>Physical Review E</i> , 2006 , 73, 051501	2.4	6
273	Effective mass density of fluid-solid composites. <i>Physical Review Letters</i> , 2006 , 96, 024301	7.4	131
272	A novel carbon nanotube structure formed in ultra-long nanochannels of anodic aluminum oxide templates. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 2080-3	3.4	25
271	Microwave transmission through metallic hole arrays: Surface electric field measurements. <i>Applied Physics Letters</i> , 2006 , 89, 131917	3.4	40
270	Variable liquid crystal pretilt angles by nanostructured surfaces. <i>Applied Physics Letters</i> , 2006 , 88, 051910	3.4	131

269	Liquid crystal pretilt angle control using nanotextured surfaces. <i>Journal of Applied Physics</i> , 2006 , 99, 1245-1250	9.6	50
268	A variational approach to moving contact line hydrodynamics. <i>Journal of Fluid Mechanics</i> , 2006 , 564, 333-337	3.7	254
267	Carbonization Mechanism of Tetrapropylammonium-hydroxide in Channels of AlPO ₄ -5 Single Crystals. <i>Chemistry of Materials</i> , 2006 , 18, 1505-1511	9.6	15
266	Catalytic growth of 0.4 nm single-walled carbon nanotubes aligned inside porous zeolite crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3082-3086	1.3	6
265	Catalytic effect of metal cations on the formation of carbon nanotubes inside the channels of AlPO ₄ -5 crystal. <i>Carbon</i> , 2006 , 44, 1151-1157	10.4	21
264	Phase slips in a one-dimensional superconducting wire: Crossover from quantum tunneling to thermal hopping. <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 450, 118-123	1.3	
263	Moving contact line over undulating surfaces. <i>Solid State Communications</i> , 2006 , 139, 623-629	1.6	24
262	Mechanisms of the giant electrorheological effect. <i>Solid State Communications</i> , 2006 , 139, 581-588	1.6	52
261	Catalyst effect of metal cations on pyrolysis of hydrocarbon molecules and formation of carbon nanotubes in the channels of AlPO ₄ -5 crystals. <i>Journal of Porous Materials</i> , 2006 , 13, 291-295	2.4	1
260	Resonant transmission of microwaves through subwavelength fractal slits in a metallic plate. <i>Physical Review B</i> , 2005 , 72,	3.3	50
259	Negative-refraction imaging with two-dimensional phononic crystals. <i>Physical Review B</i> , 2005 , 72,	3.3	122
258	Chiral microstructures (spirals) fabrication by holographic lithography. <i>Optics Express</i> , 2005 , 13, 7615-20	3.3	97
257	Strong optical force induced by morphology-dependent resonances. <i>Optics Letters</i> , 2005 , 30, 1956-8	3	58
256	Hydrodynamic slip boundary condition at chemically patterned surfaces: a continuum deduction from molecular dynamics. <i>Physical Review E</i> , 2005 , 72, 022501	2.4	41
255	Analytic model of phononic crystals with local resonances. <i>Physical Review B</i> , 2005 , 71,	3.3	341
254	Fabrication and optical characterization of gold-infiltrated silica opals. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 2177-2190	1.8	12
253	23.2: High Pretilt Angles by Nano-Structured Surfaces and their Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 1080	0.5	12
252	Measurements of sound transmission through panels of locally resonant materials between impedance tubes. <i>Applied Acoustics</i> , 2005 , 66, 751-765	3.1	59

251	A negative dielectric constant in nano-particle materials under an electric field at very low frequencies 2005 ,		13
250	Neutral nanoparticle-based display. <i>Nanotechnology</i> , 2005 , 16, 598-601	3.4	12
249	Resonance-enhanced optical annealing of silicon nanowires. <i>Physical Review B</i> , 2005 , 71,	3.3	19
248	Electromagnetic-Wave Tunneling Through Negative-Permittivity Media with High Magnetic Fields. <i>Physical Review Letters</i> , 2005 , 94,	7.4	127
247	Parallel-field electrorheological clutch: Enhanced high shear rate performance. <i>Applied Physics Letters</i> , 2005 , 87, 104106	3.4	14
246	Structural transition in bidispersed electrorheological fluids. <i>Physical Review E</i> , 2005 , 72, 020501	2.4	3
245	Liquid crystal pretilt control by inhomogeneous surfaces. <i>Physical Review E</i> , 2005 , 72, 021711	2.4	39
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