

John Brian Pendry

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.

359
papers

67,456
citations

86
h-index

258
g-index

381
ext. papers

77,250
ext. citations

6.4
avg, IF

8.24
L-index

#	Paper	IF	Citations
359	Photonics of time-varying media. <i>Advanced Photonics</i> , 2022 , 4,	8.1	17
358	An Archimedes' screw for light.. <i>Nature Communications</i> , 2022 , 13, 2523	17.4	1
357	Revealing topology with transformation optics. <i>Nature Communications</i> , 2021 , 12, 6887	17.4	0
356	Spatial coherence in 2D holography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021 , 38, 727-736	1.8	1
355	Gain mechanism in time-dependent media. <i>Optica</i> , 2021 , 8, 636	8.6	5
354	Designing plasmonic exceptional points by transformation optics. <i>Optics Express</i> , 2021 , 29, 16046-16053	3.3	2
353	Calculating spatiotemporally modulated surfaces: A dynamical differential formalism. <i>Physical Review A</i> , 2021 , 104,	2.6	1
352	Homogenization Theory of Space-Time Metamaterials. <i>Physical Review Applied</i> , 2021 , 16,	4.3	14
351	Casimir-Induced Instabilities at Metallic Surfaces and Interfaces. <i>Physical Review Letters</i> , 2021 , 126, 046802	9.4	0
350	Photon localization and Bloch symmetry breaking in luminal gratings. <i>Physical Review B</i> , 2021 , 104,	3.3	2
349	Electron Energy Loss Spectroscopy of Singular Plasmonic Metasurfaces. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000055	8.3	2
348	Nonlocal effects in plasmonic metasurfaces with almost touching surfaces. <i>Physical Review B</i> , 2020 , 101,	3.3	4
347	Plasmon Localization Assisted by Conformal Symmetry. <i>ACS Photonics</i> , 2020 , 7, 951-958	6.3	3
346	Shrinking the surface plasmon. <i>Nanophotonics</i> , 2020 , 10, 545-548	6.3	2
345	Continuous topological transition from metal to dielectric. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 16739-16742	11.5	2
344	Wood Anomalies and Surface-Wave Excitation with a Time Grating. <i>Physical Review Letters</i> , 2020 , 125, 127403	7.4	21
343	Computing one-dimensional metasurfaces. <i>Physical Review B</i> , 2019 , 99,	3.3	8

342	Singular graphene metasurfaces. <i>EPJ Applied Metamaterials</i> , 2019 , 6, 10	0.8	5
341	Transformation-Invariant Metamaterials. <i>Physical Review Letters</i> , 2019 , 123, 067701	7.4	20
340	Broadband Nonreciprocal Amplification in Luminal Metamaterials. <i>Physical Review Letters</i> , 2019 , 123, 206101	7.4	43
339	Fresnel drag in space-time-modulated metamaterials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24943-24948	11.5	38
338	Transformation optics approach to singular metasurfaces. <i>Physical Review B</i> , 2018 , 98,	3.3	16
337	Van der Waals Force Assisted Heat Transfer. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017 , 72, 181-188	1.4	7
336	Compacted dimensions and singular plasmonic surfaces. <i>Science</i> , 2017 , 358, 915-917	33.3	40
335	Hidden symmetries in plasmonic gratings. <i>Physical Review B</i> , 2017 , 95,	3.3	7
334	Phonon-assisted heat transfer between vacuum-separated surfaces. <i>Physical Review B</i> , 2016 , 94,	3.3	31
333	Transformation optics applied to van der Waals interactions. <i>Science Bulletin</i> , 2016 , 61, 59-67	10.6	14
332	Transformation Optics: A Time- and Frequency-Domain Analysis of Electron-Energy Loss Spectroscopy. <i>Nano Letters</i> , 2016 , 16, 5156-62	11.5	10
331	Graphene, plasmons and transformation optics. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 044024	1.7	27
330	Low frequency plasmons in thin-wire structures: a commentary. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 481002	1.8	4
329	Transforming the optical landscape. <i>Science</i> , 2015 , 348, 521-4	33.3	86
328	Luo et al. Reply. <i>Physical Review Letters</i> , 2015 , 115, 239402	7.4	3
327	Transformation optics and hidden symmetries. <i>Physical Review B</i> , 2014 , 89,	3.3	23
326	Description of van der Waals interactions using transformation optics. <i>Physical Review Letters</i> , 2013 , 111, 033602	7.4	20
325	Capturing photons with transformation optics. <i>Nature Physics</i> , 2013 , 9, 518-522	16.2	77

324	Surface plasmons and nonlocality: a simple model. <i>Physical Review Letters</i> , 2013 , 111, 093901	7.4	180
323	Active nanoplasmonic metamaterials. <i>Nature Materials</i> , 2012 , 11, 573-84	27	425
322	Transformation-optics insight into nonlocal effects in separated nanowires. <i>Physical Review B</i> , 2012 , 86,	3.3	42
321	Probing the ultimate limits of plasmonic enhancement. <i>Science</i> , 2012 , 337, 1072-4	33.3	814
320	Rotational quantum friction. <i>Physical Review Letters</i> , 2012 , 109, 123604	7.4	80
319	Theory of three-dimensional nanocrescent light harvesters. <i>Nano Letters</i> , 2012 , 12, 5946-53	11.5	36
318	Broadband light harvesting nanostructures robust to edge bluntness. <i>Physical Review Letters</i> , 2012 , 108, 023901	7.4	68
317	Transformation-optics description of nonlocal effects in plasmonic nanostructures. <i>Physical Review Letters</i> , 2012 , 108, 106802	7.4	167
316	Transformation optics and subwavelength control of light. <i>Science</i> , 2012 , 337, 549-52	33.3	258
315	Localized spoof plasmons arise while texturing closed surfaces. <i>Physical Review Letters</i> , 2012 , 108, 223905	7.4	201
314	Transformation optics description of touching metal nanospheres. <i>Physical Review B</i> , 2012 , 85,	3.3	11
313	Comment on "Spaser action, loss compensation, and stability in plasmonic systems with gain". <i>Physical Review Letters</i> , 2011 , 107, 259703; discussion 259704	7.4	13
312	Universal evolution of perfect lenses. <i>Physical Review Letters</i> , 2011 , 106, 165503	7.4	22
311	Electromagnetic contribution to surface-enhanced Raman scattering from rough metal surfaces: A transformation optics approach. <i>Physical Review B</i> , 2011 , 83,	3.3	38
310	Super phase array. <i>New Journal of Physics</i> , 2010 , 12, 033047	2.9	7
309	Reply to comment on "Quantum friction: fact or fiction?". <i>New Journal of Physics</i> , 2010 , 12, 068002	2.9	30
308	Quantum friction: fact or fiction?. <i>New Journal of Physics</i> , 2010 , 12, 033028	2.9	84
307	Mimicking a negative refractive slab by combining two phase conjugators. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, 72	1.7	10

306	Broadband plasmonic device concentrating the energy at the nanoscale: The crescent-shaped cylinder. <i>Physical Review B</i> , 2010 , 82,	3.3	58
305	Surface plasmons and singularities. <i>Nano Letters</i> , 2010 , 10, 4186-91	11.5	78
304	Three-dimensional invisibility cloak at optical wavelengths. <i>Science</i> , 2010 , 328, 337-9	33.3	945
303	Plasmonic light-harvesting devices over the whole visible spectrum. <i>Nano Letters</i> , 2010 , 10, 2574-9	11.5	311
302	Collection and concentration of light by touching spheres: a transformation optics approach. <i>Physical Review Letters</i> , 2010 , 105, 266807	7.4	80
301	Conformal transformation applied to plasmonics beyond the quasistatic limit. <i>Physical Review B</i> , 2010 , 82,	3.3	35
300	Interaction between plasmonic nanoparticles revisited with transformation optics. <i>Physical Review Letters</i> , 2010 , 105, 233901	7.4	101
299	Chirality in Swiss Roll metamaterials. <i>Physica B: Condensed Matter</i> , 2010 , 405, 2943-2946	2.8	6
298	Holey metal films make perfect endoscopes. <i>Physical Review B</i> , 2009 , 79,	3.3	23
297	Shrinking optical devices. <i>New Journal of Physics</i> , 2009 , 11, 073033	2.9	30
296	Numerical analysis of Swiss roll metamaterials. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 326006	1.8	3
295	Extreme chirality in Swiss roll metamaterials. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 376003	1.8	26
294	Negative refraction. <i>Contemporary Physics</i> , 2009 , 50, 363-374	3.3	6
293	Chiral Swiss rolls show a negative refractive index. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 292201.8	1.8	24
292	Finding Exoplanets with Quantum Imaging. <i>Physics Magazine</i> , 2009 , 2,	1.1	19
291	A d.c. magnetic metamaterial. <i>Nature Materials</i> , 2008 , 7, 295-7	27	107
290	Transformation-optical design of sharp waveguide bends and corners. <i>Applied Physics Letters</i> , 2008 , 93, 251111	3.4	106
289	Taming spatial dispersion in wire metamaterial. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 295222	1.8	73

288	Hiding under the carpet: a new strategy for cloaking. <i>Physical Review Letters</i> , 2008 , 101, 203901	7.4	1031
287	Time reversal and negative refraction. <i>Science</i> , 2008 , 322, 71-3	33.3	144
286	An acoustic metafluid: realizing a broadband acoustic cloak. <i>New Journal of Physics</i> , 2008 , 10, 115032	2.9	125
285	Finding Exoplanets with Quantum Imaging. <i>Physics Magazine</i> , 2008 , 1,	1.1	21
284	Metamaterials at zero frequency. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 076208	1.8	129
283	Guiding, focusing, and sensing on the subwavelength scale using metallic wire arrays. <i>Physical Review Letters</i> , 2007 , 99, 053903	7.4	143
282	An effective medium description of Swiss Rolls—a magnetic metamaterial. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 456216	1.8	17
281	Metamaterials and the Control of Electromagnetic Fields 2007 , CMB2		7
280	Electromagnetic analysis of cylindrical invisibility cloaks and the mirage effect. <i>Optics Letters</i> , 2007 , 32, 1069-71	3	207
279	Transformation-designed optical elements. <i>Optics Express</i> , 2007 , 15, 14772-82	3.3	92
278	Full-wave simulations of electromagnetic cloaking structures. <i>Physical Review E</i> , 2006 , 74, 036621	2.4	586
277	Directed subwavelength imaging using a layered metal-dielectric system. <i>Physical Review B</i> , 2006 , 74,	3.3	398
276	Calculation of material properties and ray tracing in transformation media. <i>Optics Express</i> , 2006 , 14, 9794-804	3.3	592
275	Sub-wavelength imaging at radio frequency. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, L315-L321	1.8	40
274	Controlling electromagnetic fields. <i>Science</i> , 2006 , 312, 1780-2	33.3	5883
273	Metamaterial electromagnetic cloak at microwave frequencies. <i>Science</i> , 2006 , 314, 977-80	33.3	5186
272	Perfect corner reflector. <i>Optics Letters</i> , 2005 , 30, 1204-6	3	51
271	Surfaces with holes in them: new plasmonic metamaterials. <i>Journal of Optics</i> , 2005 , 7, S97-S101		730

270	Saturation of the magnetic response of split-ring resonators at optical frequencies. <i>Physical Review Letters</i> , 2005 , 95, 223902	7.4	467
269	Electromagnetic response of a point-dipole crystal. <i>Physical Review B</i> , 2005 , 72,	3.3	17
268	A chiral route to negative refraction. <i>Science</i> , 2004 , 306, 1353-5	33.3	1107
267	Terahertz magnetic response from artificial materials. <i>Science</i> , 2004 , 303, 1494-6	33.3	1170
266	Mimicking surface plasmons with structured surfaces. <i>Science</i> , 2004 , 305, 847-8	33.3	2073
265	Metamaterials and negative refractive index. <i>Science</i> , 2004 , 305, 788-92	33.3	2893
264	Near-infrared photonic band gaps and nonlinear effects in negative magnetic metamaterials. <i>Physical Review B</i> , 2004 , 69,	3.3	147
263	Negative refraction. <i>Contemporary Physics</i> , 2004 , 45, 191-202	3.3	357
262	Existence and properties of microwave surface plasmons at the interface between a right-handed and a left-handed media 2004 ,		5
261	Spherical perfect lens: Solutions of Maxwell's equations for spherical geometry. <i>Physical Review B</i> , 2004 , 69,	3.3	48
260	Focusing light using negative refraction. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 6345-6364	1.8	214
259	Refining the perfect lens. <i>Physica B: Condensed Matter</i> , 2003 , 338, 329-332	2.8	70
258	Toward photonic-crystal metamaterials: Creating magnetic emitters in photonic crystals. <i>Applied Physics Letters</i> , 2003 , 82, 1069-1071	3.4	54
257	Removal of absorption and increase in resolution in a near-field lens via optical gain. <i>Physical Review B</i> , 2003 , 67,	3.3	206
256	Comment on "Left-handed materials do not make a perfect lens". <i>Physical Review Letters</i> , 2003 , 91, 099701; author reply 099702	7.4	37
255	Comment on "Wave refraction in negative-index media: always positive and very inhomogeneous". <i>Physical Review Letters</i> , 2003 , 90, 029703; discussion 029704	7.4	51
254	Imaging the near field. <i>Journal of Modern Optics</i> , 2003 , 50, 1419-1430	1.1	238
253	Subwavelength imaging in photonic crystals. <i>Physical Review B</i> , 2003 , 68,	3.3	325

252	Negative refraction of modulated electromagnetic waves. <i>Applied Physics Letters</i> , 2002 , 81, 2713-2715	3.4	115
251	Near-field lenses in two dimensions. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 8463-8479	1.8	86
250	Very-low-frequency magnetic plasma. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 7409-7416	1.8	8
249	The asymmetric lossy near-perfect lens. <i>Journal of Modern Optics</i> , 2002 , 49, 1747-1762	1.1	127
248	Magnetic activity at infrared frequencies in structured metallic photonic crystals. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 6383-6394	1.8	135
247	All-angle negative refraction without negative effective index. <i>Physical Review B</i> , 2002 , 65,	3.3	684
246	Electromagnetic materials enter the negative age. <i>Physics World</i> , 2001 , 14, 47-51	0.5	58
245	Time-reversal symmetry, microcavities and photonic crystals. <i>Journal of Modern Optics</i> , 2001 , 48, 581-595	1.1	6
244	Theory of extraordinary optical transmission through subwavelength hole arrays. <i>Physical Review Letters</i> , 2001 , 86, 1114-7	7.4	1299
243	Pendry Replies. <i>Physical Review Letters</i> , 2001 , 87,	7.4	24
242	Microstructured magnetic materials for RF flux guides in magnetic resonance imaging. <i>Science</i> , 2001 , 291, 849-51	33.3	364
241	Pendry Replies. <i>Physical Review Letters</i> , 2001 , 87,	7.4	34
240	Time-reversal symmetry, microcavities and photonic crystals. <i>Journal of Modern Optics</i> , 2001 , 48, 581-595	1.1	6
239	Intense Focusing of Light Using Metals 2001 , 329-349		
238	A program for calculating photonic band structures, Green's functions and transmission/reflection coefficients using a non-orthogonal FDTD method. <i>Computer Physics Communications</i> , 2000 , 128, 590-621	4.2	33
237	Negative refraction makes a perfect lens. <i>Physical Review Letters</i> , 2000 , 85, 3966-9	7.4	8638
236	Order-N effective response of two-dimensional metallic structures. <i>Surface Science</i> , 2000 , 454-456, 1090-1093	1.5	5
235	Order-N photonic band structures for metals and other dispersive materials. <i>Physical Review B</i> , 1999 , 59, 1874-1877	3.3	27

234	Electromagnetic forces in photonic crystals. <i>Physical Review B</i> , 1999 , 60, 2363-2374	3.3	71
233	Radiative exchange of heat between nanostructures. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 6621-6633	3.3	302
232	Magnetism from conductors and enhanced nonlinear phenomena. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999 , 47, 2075-2084	4.1	5541
231	Transmission Resonances on Metallic Gratings with Very Narrow Slits. <i>Physical Review Letters</i> , 1999 , 83, 2845-2848	7.4	1102
230	Interface modes of two-dimensional composite structures. <i>Surface Science</i> , 1999 , 433-435, 605-611	1.8	6
229	A program for calculating photonic band structures and Green's functions using a non-orthogonal FDTD method. <i>Computer Physics Communications</i> , 1998 , 112, 23-41	4.2	15
228	1/fNoise in localized systems. <i>Superlattices and Microstructures</i> , 1998 , 23, 871-882	2.8	
227	Calculating photonic Green's functions using a nonorthogonal finite-difference time-domain method. <i>Physical Review B</i> , 1998 , 58, 7252-7259	3.3	85
226	Can sheared surfaces emit light?. <i>Journal of Modern Optics</i> , 1998 , 45, 2389-2408	1.1	26
225	Low frequency plasmons in thin-wire structures. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 4785-4800	3.3	869
224	Effective electronic response of a system of metallic cylinders. <i>Physical Review B</i> , 1998 , 57, 15261-15266	3.3	32
223	Silver-filled carbon nanotubes used as spectroscopic enhancers. <i>Physical Review B</i> , 1998 , 58, 6783-6786	3.3	40
222	Mie resonances and bonding in photonic crystals. <i>Europhysics Letters</i> , 1997 , 40, 613-618	1.6	45
221	THE CASE FOR ORDER-N METHODS IN LEED THEORY. <i>Surface Review and Letters</i> , 1997 , 04, 901-905	1.1	
220	Pendry et al. Reply:. <i>Physical Review Letters</i> , 1997 , 78, 4136-4136	7.4	4
219	The theory of SNOM: A novel approach. <i>Journal of Modern Optics</i> , 1997 , 44, 1703-1714	1.1	25
218	Electron energy loss in composite systems. <i>Physical Review B</i> , 1997 , 55, 9550-9557	3.3	16
217	Shearing the vacuum - quantum friction. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 10301-10320	1.8	200

216	Effective Medium Theory of the Optical Properties of Aligned Carbon Nanotubes. <i>Physical Review Letters</i> , 1997 , 78, 4289-4292	7.4	228
215	Green's functions for Maxwell's equations: application to spontaneous emission. <i>Optical and Quantum Electronics</i> , 1997 , 29, 199-216	2.4	39
214	Numerical method for calculating spontaneous emission rate near a surface using Green's functions 1996 , 299-308		
213	Refraction and geometry in Maxwell's equations. <i>Journal of Modern Optics</i> , 1996 , 43, 773-793	1.1	335
212	Calculating photonic band structure. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 1085-1108	1.8	142
211	Extremely low frequency plasmons in metallic mesostructures. <i>Physical Review Letters</i> , 1996 , 76, 4773-4776	7.4	3030
210	Collective Theory for Surface Enhanced Raman Scattering. <i>Physical Review Letters</i> , 1996 , 77, 1163-1166	7.4	778
209	Transfer Matrix Techniques for Electromagnetic Waves 1996 , 203-228		11
208	Diffuse low-energy electron diffraction. <i>Progress in Surface Science</i> , 1996 , 52, 53-124	6.6	32
207	Direct reconstruction of three-dimensional atomic adsorption sites by holographic LEED. <i>Physical Review B</i> , 1996 , 54, 8172-8176	3.3	23
206	Electromagnetic Field Distributions in Complex Dielectric Structures 1996 , 253-260		
205	Electron energy loss in dense arrays of metallic particles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 96, 565-568	1.2	7
204	Photonic dispersion surfaces. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, 2217-2224	1.8	29
203	Beyond Diffusion to Diffraction. <i>Journal of Modern Optics</i> , 1995 , 42, 2495-2531	1.1	3
202	Determination of anisotropic vibrations by tensor LEED. <i>Surface Science</i> , 1995 , 331-333, 1435-1440	1.8	26
201	Energy losses in colloidal metals. <i>Journal of Microscopy</i> , 1995 , 180, 294-299	1.9	
200	Polarization Effects in Electromagnetic Wave Propagation in a Two-dimensional Disordered System. <i>Journal of Modern Optics</i> , 1995 , 42, 339-366	1.1	6
199	A program for calculating photonic band structures and transmission coefficients of complex structures. <i>Computer Physics Communications</i> , 1995 , 85, 306-322	4.2	207

198	Electromagnetic Radiation in Nanostructures 1995 , 67-74		
197	Energy loss by charged particles in complex media. <i>Physical Review B</i> , 1994 , 50, 5062-5073	3.3	58
196	Symmetry and transport of waves in one-dimensional disordered systems. <i>Advances in Physics</i> , 1994 , 43, 461-542	18.4	159
195	Photonic Band Structures. <i>Journal of Modern Optics</i> , 1994 , 41, 209-229	1.1	402
194	A Polarized Transfer Matrix for Electromagnetic Waves in Structured Media. <i>Journal of Modern Optics</i> , 1994 , 41, 1781-1802	1.1	5
193	Theoretical calculations of STM data on Ni(100)-C for various concentrations of carbon. <i>Surface Science</i> , 1994 , 303, 197-205	1.8	12
192	Multiple scattering theory of electron diffraction. <i>Surface Science</i> , 1994 , 299-300, 375-390	1.8	22
191	Investigation of surface atom vibrations by tensor LEED. <i>Surface Science</i> , 1994 , 301, 346-352	1.8	48
190	Interaction of surface states with rows of adsorbed atoms and other one-dimensional scatterers. <i>Physical Review B</i> , 1994 , 50, 18607-18620	3.3	60
189	Quantum well resonances in scanning tunneling microscopy. <i>Surface Science</i> , 1993 , 295, 34-42	1.8	18
188	Coverage-dependent DLEED analysis of the adsorption structure of K on Ni(100). <i>Surface Science</i> , 1993 , 293, 47-56	1.8	37
187	Surface dipole moments from LEED investigations. <i>Surface Science</i> , 1993 , 289, 389-396	1.8	18
186	Transfer matrices and the glory. <i>Waves in Random and Complex Media</i> , 1993 , 3, 221-241		4
185	Scanning-tunneling-microscopy investigation of the p(2 x 2) and c(2 x 2) overlayers of S on Ni(100). <i>Physical Review B</i> , 1993 , 48, 8267-8276	3.3	20
184	Linear-superposition method for the multiple-scattering problem in low-energy-photoelectron diffraction. <i>Physical Review B</i> , 1993 , 48, 9054-9057	3.3	45
183	Scanning-tunneling-microscopy investigation of the Ni(100)-p(2 x 2)C surface. <i>Physical Review B</i> , 1993 , 48, 8356-8364	3.3	12
182	LEED and the crystallography of surfaces. <i>Surface Science Reports</i> , 1993 , 19, 87-97	12.9	18
181	Linear approximation to dynamical low-energy electron diffraction. <i>Physical Review B</i> , 1992 , 46, 9897-9899		26

180	Holographic reconstruction from measured diffuse low-energy-electron-diffraction intensities. <i>Physical Review B</i> , 1992 , 45, 9402-9405	3.3	22
179	The expansion of Tensor-LEED in Cartesian coordinates. <i>Surface Science</i> , 1992 , 273, 261-270	1.8	13
178	LEED-structure analysis of Ni(100)c(4 × 4)-K. <i>Surface Science</i> , 1992 , 275, 185-189	1.8	37
177	The clean and H-induced reconstruction of W(100) studied by LEED at slanting primary beam incidence. <i>Surface Science</i> , 1992 , 271, 416-426	1.8	36
176	Calculation of photon dispersion relations. <i>Physical Review Letters</i> , 1992 , 69, 2772-2775	7.4	565
175	Multi-terminal phase-coherent magnetoconductance. <i>Superlattices and Microstructures</i> , 1992 , 11, 303-307	1.8	7
174	Structure and function at catalyst surfaces. <i>Catalysis Letters</i> , 1991 , 9, 189-194	2.8	3
173	Theory of the scanning tunnelling microscope. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 4313-4321	1.8	70
172	Singularities in forward scattering through random media. <i>Waves in Random and Complex Media</i> , 1991 , 1, 195-206		1
171	The localization length and density of states of 1D disordered systems. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 5297-5305	1.8	5
170	Causal-surface Green's function method. <i>Surface Science</i> , 1991 , 244, 160-176	1.8	25
169	Ordered and disordered oxygen and sulfur on Ni(100). <i>Surface Science</i> , 1991 , 251-252, 488-492	1.8	27
168	Layer Korringa-Kohn-Rostoker electronic structure code for bulk and interface geometries. <i>Computer Physics Communications</i> , 1990 , 60, 365-389	4.2	105
167	Maximal fluctuations [A new phenomenon in disordered systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 168, 400-407	3.3	49
166	Direct methods in surface crystallography. <i>Vacuum</i> , 1990 , 41, 340-342	3.7	9
165	Transfer matrices and conductivity in two- and three-dimensional systems. I. Formalism. <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 3273-3286	1.8	11
164	Statistics and scaling in one-dimensional disordered systems. <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 2821-2832	1.8	15
163	Transfer matrices and conductivity in two- and three-dimensional systems. II. Application to localised and delocalised systems. <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 3287-3301	1.8	6

162	Log-normal distribution as a description of fluctuations in one-dimensional disordered systems. <i>Physical Review B</i> , 1990 , 41, 10240-10242	3.3	4
161	Direct low-energy electron-diffraction analysis of c(2 x 2)O/Ni(100) including substrate reconstruction. <i>Physical Review B</i> , 1990 , 41, 10179-10181	3.3	16
160	Direct methods in surface crystallography. <i>Surface Science</i> , 1990 , 230, 137-149	1.8	54
159	Adsorbate induced reconstruction phase p(2 x 2)O/Ni(100). <i>Surface Science</i> , 1990 , 225, 242-248	1.8	53
158	Layer Korringa-Kohn-Rostoker technique for surface and interface electronic properties. <i>Physical Review B</i> , 1989 , 40, 12164-12175	3.3	132
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