

John Brian Pendry

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/69684/publications.pdf>

Version: 2024-02-01

373
papers

82,741
citations

3449

93
h-index

411

284
g-index

381
all docs

381
docs citations

381
times ranked

28268
citing authors

#	ARTICLE	IF	CITATIONS
1	Negative Refraction Makes a Perfect Lens. <i>Physical Review Letters</i> , 2000, 85, 3966-3969.	2.9	10,785
2	Controlling Electromagnetic Fields. <i>Science</i> , 2006, 312, 1780-1782.	6.0	7,600
3	Magnetism from conductors and enhanced nonlinear phenomena. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999, 47, 2075-2084.	2.9	7,290
4	Metamaterial Electromagnetic Cloak at Microwave Frequencies. <i>Science</i> , 2006, 314, 977-980.	6.0	6,680
5	Extremely Low Frequency Plasmons in Metallic Mesostructures. <i>Physical Review Letters</i> , 1996, 76, 4773-4776.	2.9	3,820
6	Metamaterials and Negative Refractive Index. <i>Science</i> , 2004, 305, 788-792.	6.0	3,779
7	Mimicking Surface Plasmons with Structured Surfaces. <i>Science</i> , 2004, 305, 847-848.	6.0	2,754
8	Theory of Extraordinary Optical Transmission through Subwavelength Hole Arrays. <i>Physical Review Letters</i> , 2001, 86, 1114-1117.	2.9	1,559
9	Terahertz Magnetic Response from Artificial Materials. <i>Science</i> , 2004, 303, 1494-1496.	6.0	1,437
10	A Chiral Route to Negative Refraction. <i>Science</i> , 2004, 306, 1353-1355.	6.0	1,331
11	Transmission Resonances on Metallic Gratings with Very Narrow Slits. <i>Physical Review Letters</i> , 1999, 83, 2845-2848.	2.9	1,277
12	Hiding under the Carpet: A New Strategy for Cloaking. <i>Physical Review Letters</i> , 2008, 101, 203901.	2.9	1,270
13	Low frequency plasmons in thin-wire structures. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 4785-4809.	0.7	1,185
14	Three-Dimensional Invisibility Cloak at Optical Wavelengths. <i>Science</i> , 2010, 328, 337-339.	6.0	1,134
15	Reliability factors for LEED calculations. <i>Journal of Physics C: Solid State Physics</i> , 1980, 13, 937-944.	1.5	1,021
16	Theory of the extended x-ray absorption fine structure. <i>Physical Review B</i> , 1975, 11, 2795-2811.	1.1	1,011
17	Probing the Ultimate Limits of Plasmonic Enhancement. <i>Science</i> , 2012, 337, 1072-1074.	6.0	981
18	Surfaces with holes in them: new plasmonic metamaterials. <i>Journal of Optics</i> , 2005, 7, S97-S101.	1.5	920

#	ARTICLE	IF	CITATIONS
19	Collective Theory for Surface Enhanced Raman Scattering. <i>Physical Review Letters</i> , 1996, 77, 1163-1166.	2.9	867
20	All-angle negative refraction without negative effective index. <i>Physical Review B</i> , 2002, 65, .	1.1	821
21	Calculation of material properties and ray tracing in transformation media. <i>Optics Express</i> , 2006, 14, 9794.	1.7	751
22	Full-wave simulations of electromagnetic cloaking structures. <i>Physical Review E</i> , 2006, 74, 036621.	0.8	717
23	Calculation of photon dispersion relations. <i>Physical Review Letters</i> , 1992, 69, 2772-2775.	2.9	656
24	The existence and detection of Rydberg states at surfaces. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, 2065-2075.	1.5	585
25	Saturation of the Magnetic Response of Split-Ring Resonators at Optical Frequencies. <i>Physical Review Letters</i> , 2005, 95, 223902.	2.9	559
26	Directed subwavelength imaging using a layered metal-dielectric system. <i>Physical Review B</i> , 2006, 74, .	1.1	509
27	Active nanoplasmonic metamaterials. <i>Nature Materials</i> , 2012, 11, 573-584.	13.3	502
28	Theory of photoemission. <i>Surface Science</i> , 1976, 57, 679-705.	0.8	477
29	Photonic Band Structures. <i>Journal of Modern Optics</i> , 1994, 41, 209-229.	0.6	462
30	Microstructured Magnetic Materials for RF Flux Guides in Magnetic Resonance Imaging. <i>Science</i> , 2001, 291, 849-851.	6.0	432
31	Negative refraction. <i>Contemporary Physics</i> , 2004, 45, 191-202.	0.8	430
32	Refraction and geometry in Maxwell's equations. <i>Journal of Modern Optics</i> , 1996, 43, 773-793.	0.6	403
33	Subwavelength imaging in photonic crystals. <i>Physical Review B</i> , 2003, 68, .	1.1	395
34	Radiative exchange of heat between nanostructures. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 6621-6633.	0.7	353
35	Plasmonic Light-Harvesting Devices over the Whole Visible Spectrum. <i>Nano Letters</i> , 2010, 10, 2574-2579.	4.5	345
36	Calculation of X-ray absorption near-edge structure, XANES. <i>Computer Physics Communications</i> , 1982, 25, 193-205.	3.0	341

#	ARTICLE	IF	CITATIONS
37	Structure of CO Adsorbed on Cu(100) and Ni(100). Physical Review Letters, 1979, 43, 363-366.	2.9	310
38	Transformation Optics and Subwavelength Control of Light. Science, 2012, 337, 549-552.	6.0	310
39	Theory of image states at metal surfaces. Progress in Surface Science, 1989, 32, 111-159.	3.8	287
40	Localized Spoof Plasmons Arise while Texturing Closed Surfaces. Physical Review Letters, 2012, 108, 223905.	2.9	280
41	Imaging the near field. Journal of Modern Optics, 2003, 50, 1419-1430.	0.6	263
42	Calculation of photoemission spectra for surfaces of solids. Computer Physics Communications, 1980, 19, 69-92.	3.0	262
43	Effective Medium Theory of the Optical Properties of Aligned Carbon Nanotubes. Physical Review Letters, 1997, 78, 4289-4292.	2.9	262
44	Tensor LEED: A Technique for High-Speed Surface-Structure Determination. Physical Review Letters, 1986, 57, 2951-2954.	2.9	260
45	Focusing light using negative refraction. Journal of Physics Condensed Matter, 2003, 15, 6345-6364.	0.7	246
46	Removal of absorption and increase in resolution in a near-field lens via optical gain. Physical Review B, 2003, 67, .	1.1	239
47	A program for calculating photonic band structures and transmission coefficients of complex structures. Computer Physics Communications, 1995, 85, 306-322.	3.0	233
48	Shearing the vacuum - quantum friction. Journal of Physics Condensed Matter, 1997, 9, 10301-10320.	0.7	233
49	Electromagnetic analysis of cylindrical invisibility cloaks and the mirage effect. Optics Letters, 2007, 32, 1069.	1.7	232
50	Surface Plasmons and Nonlocality: A Simple Model. Physical Review Letters, 2013, 111, 093901.	2.9	223
51	Quantum limits to the flow of information and entropy. Journal of Physics A, 1983, 16, 2161-2171.	1.6	200
52	XANES: Determination of bond angles and multi-atom correlations in order and disordered systems. Solid State Communications, 1981, 38, 159-162.	0.9	196
53	An update of DLXANES, the calculation of X-ray absorption near-edge structure. Computer Physics Communications, 1986, 40, 421-440.	3.0	196
54	Multiple-scattering resonances and structural effects in the x-ray-absorption near-edge spectra of Fe II and Fe III hexacyanide complexes. Physical Review B, 1982, 26, 6502-6508.	1.1	194

#	ARTICLE	IF	CITATIONS
55	Transformation-Optics Description of Nonlocal Effects in Plasmonic Nanostructures. Physical Review Letters, 2012, 108, 106802.	2.9	188
56	Time Reversal and Negative Refraction. Science, 2008, 322, 71-73.	6.0	186
57	Symmetry and transport of waves in one-dimensional disordered systems. Advances in Physics, 1994, 43, 461-542.	35.9	178
58	Magnetic activity at infrared frequencies in structured metallic photonic crystals. Journal of Physics Condensed Matter, 2002, 14, 6383-6394.	0.7	175
59	Calculating photonic band structure. Journal of Physics Condensed Matter, 1996, 8, 1085-1108.	0.7	174
60	Photonics of time-varying media. Advanced Photonics, 2022, 4, .	6.2	169
61	Guiding, Focusing, and Sensing on the Subwavelength Scale Using Metallic Wire Arrays. Physical Review Letters, 2007, 99, 053903.	2.9	168
62	Near-infrared photonic band gaps and nonlinear effects in negative magnetic metamaterials. Physical Review B, 2004, 69, .	1.1	166
63	Metamaterials at zero frequency. Journal of Physics Condensed Matter, 2007, 19, 076208.	0.7	160
64	New Probe for Unoccupied Bands at Surfaces. Physical Review Letters, 1980, 45, 1356-1358.	2.9	156
65	The asymmetric lossy near-perfect lens. Journal of Modern Optics, 2002, 49, 1747-1762.	0.6	156
66	Quasi-extended electron states in strongly disordered systems. Journal of Physics C: Solid State Physics, 1987, 20, 733-742.	1.5	155
67	Theory of inverse photoemission. Journal of Physics C: Solid State Physics, 1981, 14, 1381-1391.	1.5	151
68	Determination of Adsorbate Geometries from Intramolecular Scattering in Deep-Core-Level X-Ray Photoemission: CO on Ni(001). Physical Review Letters, 1979, 42, 1545-1548.	2.9	148
69	An acoustic metafluid: realizing a broadband acoustic cloak. New Journal of Physics, 2008, 10, 115032.	1.2	144
70	Absorption profile at surfaces. Journal of Physics C: Solid State Physics, 1975, 8, 2936-2942.	1.5	141
71	Negative refraction of modulated electromagnetic waves. Applied Physics Letters, 2002, 81, 2713-2715.	1.5	136
72	Layer Korringa-Kohn-Rostoker technique for surface and interface electronic properties. Physical Review B, 1989, 40, 12164-12175.	1.1	135

#	ARTICLE	IF	CITATIONS
73	The theory of tensor LEED. Surface Science, 1989, 219, 355-372.	0.8	127
74	A leed determination of the structure of cobalt overlayers grown on a single-crystal Cu(001) substrate. Surface Science, 1987, 187, 327-338.	0.8	126
75	A d.c. magnetic metamaterial. Nature Materials, 2008, 7, 295-297.	13.3	123
76	Transformation-optical design of sharp waveguide bends and corners. Applied Physics Letters, 2008, 93, .	1.5	123
77	Interaction between Plasmonic Nanoparticles Revisited with Transformation Optics. Physical Review Letters, 2010, 105, 233901.	2.9	123
78	SEXAFS without X-rays. Surface Science, 1984, 145, 33-47.	0.8	118
79	Transformation-designed optical elements. Optics Express, 2007, 15, 14772.	1.7	114
80	Positively negative. Nature, 2003, 423, 22-23.	13.7	112
81	Rotational Quantum Friction. Physical Review Letters, 2012, 109, 123604.	2.9	112
82	Diffuse LEED and Surface Crystallography. Physical Review Letters, 1985, 55, 2312-2315.	2.9	111
83	Layer Korringa-Kohn-Rostoker electronic structure code for bulk and interface geometries. Computer Physics Communications, 1990, 60, 365-389.	3.0	111
84	Determination of Local Atomic Arrangements at Surfaces from Near-Edge X-Ray-Absorption Fine-Structure Studies: O on Ni(100). Physical Review Letters, 1983, 51, 2052-2055.	2.9	110
85	Structure of CO adsorbed on Ni (100). Surface Science, 1978, 71, 75-85.	0.8	109
86	Theory of surface states: General criteria for their existence. Surface Science, 1975, 49, 87-105.	0.8	107
87	Near-field lenses in two dimensions. Journal of Physics Condensed Matter, 2002, 14, 8463-8479.	0.7	106
88	Fresnel drag in space-time-modulated metamaterials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24943-24948.	3.3	106
89	Multiple coincidences in surface structure determinations. Solid State Communications, 1975, 16, 563-566.	0.9	101
90	Calculating photonic Green's functions using a nonorthogonal finite-difference time-domain method. Physical Review B, 1998, 58, 7252-7259.	1.1	101

#	ARTICLE	IF	CITATIONS
91	Quantum friction—fact or fiction?. <i>New Journal of Physics</i> , 2010, 12, 033028.	1.2	101
92	Transforming the optical landscape. <i>Science</i> , 2015, 348, 521-524.	6.0	101
93	The statistics of one-dimensional resistances. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 4327-4344.	1.5	96
94	Capturing photons with transformation optics. <i>Nature Physics</i> , 2013, 9, 518-522.	6.5	90
95	Determination of Atomic Positions in the $C(2\sqrt{2})$ Oxygen Structure on a Nickel (100) Surface by a Dynamical Low-Energy Electron-Diffraction Method. <i>Physical Review Letters</i> , 1973, 31, 595-598.	2.9	89
96	Adsorption and reaction of CO ₂ on Ni{110}: X-ray photoemission, near-edge X-ray absorption fine-structure and diffuse leed studies. <i>Surface Science</i> , 1988, 206, 1-19.	0.8	89
97	Collection and Concentration of Light by Touching Spheres: A Transformation Optics Approach. <i>Physical Review Letters</i> , 2010, 105, 266807.	2.9	89
98	Low energy electron diffraction from Na(110) and Na ₂ O(111) surfaces. <i>Surface Science</i> , 1977, 65, 539-551.	0.8	87
99	Broadband Nonreciprocal Amplification in Luminal Metamaterials. <i>Physical Review Letters</i> , 2019, 123, 206101.	2.9	87
100	The application of pseudopotentials to low-energy electron diffraction II: Calculation of the reflected intensities. <i>Journal of Physics C: Solid State Physics</i> , 1969, 2, 2273-2282.	1.5	86
101	Refining the perfect lens. <i>Physica B: Condensed Matter</i> , 2003, 338, 329-332.	1.3	86
102	Taming spatial dispersion in wire metamaterial. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 295222.	0.7	86
103	Interpretation of diffuse low-energy electron diffraction intensities. <i>Physical Review B</i> , 1985, 31, 1216-1218.	1.1	85
104	Surface Plasmons and Singularities. <i>Nano Letters</i> , 2010, 10, 4186-4191.	4.5	85
105	Applications of tensor LEED. <i>Surface Science</i> , 1989, 219, 373-394.	0.8	84
106	Electromagnetic forces in photonic crystals. <i>Physical Review B</i> , 1999, 60, 2363-2374.	1.1	84
107	Broadband Light Harvesting Nanostructures Robust to Edge Bluntness. <i>Physical Review Letters</i> , 2012, 108, 023901.	2.9	82
108	Ion core scattering and low energy electron diffraction. I. <i>Journal of Physics C: Solid State Physics</i> , 1971, 4, 2501-2513.	1.5	80

#	ARTICLE	IF	CITATIONS
109	Layer Method for Band Structure of Layer Compounds. <i>Physical Review Letters</i> , 1973, 31, 1400-1403.	2.9	80
110	Atomic origin of structure in EXAFS experiments. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, 633-642.	1.5	80
111	Surface states on d-band metals. <i>Zeitschrift für Physik A</i> , 1970, 235, 75-84.	0.9	78
112	The structure of $c(2\sqrt{2})\text{CO}$ adsorbed on copper and nickel (001) surfaces. <i>Journal of Physics C: Solid State Physics</i> , 1980, 13, 3547-3561.	1.5	78
113	Electronic Density of States at Transition-Metal Surfaces. <i>Physical Review Letters</i> , 1972, 29, 868-871.	2.9	77
114	Direct Methods in Surface Crystallography. <i>Physical Review Letters</i> , 1988, 61, 2953-2956.	2.9	73
115	Electromagnetic materials enter the negative age. <i>Physics World</i> , 2001, 14, 47-51.	0.0	73
116	Theory of the scanning tunnelling microscope. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 4313-4321.	0.7	72
117	New Perturbation Theory for Low-Energy Electron-Diffraction Intensities. <i>Physical Review Letters</i> , 1971, 27, 856-859.	2.9	71
118	Removing the limits to accurate band-structure determination by photoemission. <i>Journal of Physics C: Solid State Physics</i> , 1983, 16, 423-431.	1.5	69
119	Toward photonic-crystal metamaterials: Creating magnetic emitters in photonic crystals. <i>Applied Physics Letters</i> , 2003, 82, 1069-1071.	1.5	69
120	Surface structures from low energy electron diffraction. (Overlayer systems). <i>Journal of Physics C: Solid State Physics</i> , 1972, 5, L41-L45.	1.5	67
121	Comment on "Wave Refraction in Negative-Index Media: Always Positive and Very Inhomogeneous", <i>Physical Review Letters</i> , 2003, 90, 029703; discussion 029704.	2.9	66
122	Broadband plasmonic device concentrating the energy at the nanoscale: The crescent-shaped cylinder. <i>Physical Review B</i> , 2010, 82, .	1.1	65
123	Interaction of surface states with rows of adsorbed atoms and other one-dimensional scatterers. <i>Physical Review B</i> , 1994, 50, 18607-18620.	1.1	64
124	Surface Crystallographic Information Service. , 1987, , .		64
125	Existence of Generalized Surface States. <i>Physical Review Letters</i> , 1973, 31, 637-639.	2.9	63
126	Ion core scattering and low energy electron diffraction. II. <i>Journal of Physics C: Solid State Physics</i> , 1971, 4, 2514-2523.	1.5	62

#	ARTICLE	IF	CITATIONS
127	Energy loss by charged particles in complex media. <i>Physical Review B</i> , 1994, 50, 5062-5073.	1.1	61
128	Spherical perfect lens: Solutions of Maxwell's equations for spherical geometry. <i>Physical Review B</i> , 2004, 69, .	1.1	61
129	Adsorbate induced reconstruction phase $p(2 \times 2)$ O/Ni(100). <i>Surface Science</i> , 1990, 225, 242-248.	0.8	58
130	The application of pseudopotentials to low-energy electron diffraction III: The simplifying effect of inelastic scattering. <i>Journal of Physics C: Solid State Physics</i> , 1969, 2, 2283-2289.	1.5	57
131	Maximal fluctuations – A new phenomenon in disordered systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 168, 400-407.	1.2	57
132	Direct methods in surface crystallography. <i>Surface Science</i> , 1990, 230, 137-149.	0.8	57
133	Extraction of crystal parameters from EXAFS spectra. <i>Solid State Communications</i> , 1976, 20, 287-290.	0.9	55
134	Homogenization Theory of Space-Time Metamaterials. <i>Physical Review Applied</i> , 2021, 16, .	1.5	54
135	Fast perturbation schemes for low energy electron diffraction spectra. <i>Journal of Physics C: Solid State Physics</i> , 1971, 4, 3095-3106.	1.5	53
136	Theory of secondary electron emission. <i>Solid State Communications</i> , 1978, 26, 519-521.	0.9	53
137	Compacted dimensions and singular plasmonic surfaces. <i>Science</i> , 2017, 358, 915-917.	6.0	53
138	Mie resonances and bonding in photonic crystals. <i>Europhysics Letters</i> , 1997, 40, 613-618.	0.7	52
139	Perfect corner reflector. <i>Optics Letters</i> , 2005, 30, 1204.	1.7	52
140	The statistics of the conductance of one-dimensional disordered chains. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 5707-5728.	1.5	51
141	X-ray absorption near-edge structure of adsorbate-induced reconstruction: (2×1) O on Cu(110). <i>Surface Science</i> , 1986, 178, 679-685.	0.8	51
142	Sub-wavelength imaging at radio frequency. <i>Journal of Physics Condensed Matter</i> , 2006, 18, L315-L321.	0.7	51
143	Phonon-assisted heat transfer between vacuum-separated surfaces. <i>Physical Review B</i> , 2016, 94, .	1.1	51
144	LEED intensity measurements and surface structures: The dynamical approach (Illustrated by) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.5	50

#	ARTICLE	IF	CITATIONS
145	Linear-superposition method for the multiple-scattering problem in low-energy-photoelectron diffraction. <i>Physical Review B</i> , 1993, 48, 9054-9057.	1.1	49
146	Investigation of surface atom vibrations by tensor LEED. <i>Surface Science</i> , 1994, 301, 346-352.	0.8	49
147	The application of pseudopotentials to low-energy electron diffraction I. Calculation of the potential and 'inner potential'. <i>Journal of Physics C: Solid State Physics</i> , 1969, 2, 1215-1221.	1.5	48
148	1D localisation and the symmetric group. <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 4821-4834.	1.5	48
149	Transformation-optics insight into nonlocal effects in separated nanowires. <i>Physical Review B</i> , 2012, 86, .	1.1	48
150	A disordered model for the $W(100)1\text{\AA}-1$ surface. <i>Surface Science</i> , 1988, 193, L1-L6.	0.8	46
151	Wood Anomalies and Surface-Wave Excitation with a Time Grating. <i>Physical Review Letters</i> , 2020, 125, 127403.	2.9	46
152	Theory of spin polarised photoemission from nickel. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, 4615-4622.	1.5	45
153	Green's functions for Maxwell's equations: application to spontaneous emission. <i>Optical and Quantum Electronics</i> , 1997, 29, 199-216.	1.5	45
154	Electromagnetic contribution to surface-enhanced Raman scattering from rough metal surfaces: A transformation optics approach. <i>Physical Review B</i> , 2011, 83, .	1.1	45
155	Reflectivity of LiquidHe4Surfaces toHe4Atoms. <i>Physical Review Letters</i> , 1976, 37, 561-563.	2.9	44
156	Silver-filled carbon nanotubes used as spectroscopic enhancers. <i>Physical Review B</i> , 1998, 58, 6783-6786.	1.1	44
157	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.	3.0	44
158	Crystalline Xenon's Kinematic Low-Energy Electron-Diffraction Spectrum. <i>Physical Review Letters</i> , 1971, 26, 189-191.	2.9	42
159	Theory of Three-Dimensional Nanocrescent Light Harvesters. <i>Nano Letters</i> , 2012, 12, 5946-5953.	4.5	42
160	On the temperature dependence in photoemission from metal surfaces. <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, 3089-3097.	1.5	41
161	Roadmap on multimode light shaping. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 013001.	1.0	41
162	Energy of helium dissolved in metals. <i>Philosophical Magazine and Journal</i> , 1976, 34, 205-215.	1.8	40

#	ARTICLE	IF	CITATIONS
163	Photoemission from transition metal surfaces. <i>Journal of Physics F: Metal Physics</i> , 1978, 8, 1009-1017.	1.6	40
164	Comment on "Experimental Study of Multiple Scattering in X-Ray-Absorption Near-Edge Structure". <i>Physical Review Letters</i> , 1985, 54, 2725-2725.	2.9	40
165	Tensor LEED I: A technique for high speed surface structure determination by low energy electron diffraction. TLEED1. <i>Computer Physics Communications</i> , 1989, 54, 137-156.	3.0	40
166	Comment on "Left-Handed Materials Do Not Make a Perfect Lens": <i>Physical Review Letters</i> , 2003, 91, 099701; author reply 099702.	2.9	40
167	All smoke and metamaterials. <i>Nature</i> , 2009, 460, 579-580.	13.7	40
168	Conformal transformation applied to plasmonics beyond the quasistatic limit. <i>Physical Review B</i> , 2010, 82, .	1.1	40
169	Diffuse low-energy electron diffraction study of disordered O/Ni(100). <i>Physical Review B</i> , 1988, 38, 12277-12282.	1.1	39
170	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.	0.8	39
171	Coverage-dependent DLEED analysis of the adsorption structure of K on Ni(100). <i>Surface Science</i> , 1993, 293, 47-56.	0.8	39
172	Transformation-Invariant Metamaterials. <i>Physical Review Letters</i> , 2019, 123, 067701.	2.9	39
173	The evolution of waves in disordered media. <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 3493-3511.	1.5	38
174	On the effective mass of electrons at surfaces. <i>Surface Science</i> , 1986, 166, 57-68.	0.8	38
175	Pendry Replies:. <i>Physical Review Letters</i> , 2001, 87, .	2.9	38
176	LEED-structure analysis of Ni(100)c(4 Å ⁻²)-K. <i>Surface Science</i> , 1992, 275, 185-189.	0.8	37
177	A theoretical study of poisoning in heterogeneous catalysis; discussion of the role of electronegativity and a comparison with experimental results of Goodman et al. on CO adsorption and methanation on Ni(100). <i>Surface Science</i> , 1986, 175, 263-275.	0.8	36
178	Electrons at Disordered Surfaces and 1fNoise. <i>Physical Review Letters</i> , 1986, 57, 2983-2986.	2.9	36
179	Tensor LEED II: A technique for high speed surface structure determination by low energy electron diffraction. TLEED2. <i>Computer Physics Communications</i> , 1989, 54, 157-166.	3.0	36
180	Photonic dispersion surfaces. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 2217-2224.	0.7	35

#	ARTICLE	IF	CITATIONS
181	Diffuse low-energy electron diffraction. <i>Progress in Surface Science</i> , 1996, 52, 53-124.	3.8	35
182	Shrinking optical devices. <i>New Journal of Physics</i> , 2009, 11, 073033.	1.2	35
183	Reply to comment on "Quantum friction" fact or fiction? <i>New Journal of Physics</i> , 2010, 12, 068002.	1.2	35
184	Theory of positrons at surfaces. <i>Journal of Physics C: Solid State Physics</i> , 1980, 13, 1159-1174.	1.5	34
185	Chiral Swiss rolls show a negative refractive index. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 292201.	0.7	34
186	Graphene, plasmons and transformation optics. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 044024.	1.0	34
187	Can sheared surfaces emit light?. <i>Journal of Modern Optics</i> , 1998, 45, 2389-2408.	0.6	33
188	Effective electronic response of a system of metallic cylinders. <i>Physical Review B</i> , 1998, 57, 15261-15266.	1.1	33
189	The chain method for electron scattering in lattices. <i>Journal of Physics C: Solid State Physics</i> , 1975, 8, 2048-2058.	1.5	32
190	Electron energy loss spectroscopy. Calculation of the impact scattering from W(100)p(1 Å ⁻¹)H. <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, 3995-4007.	1.5	32
191	Off-diagonal disorder and 1D localisation. <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 5773-5778.	1.5	32
192	X-ray absorption near edge structure (XANES) for CO, CN and deoxyhaemoglobin: geometrical information.. <i>EMBO Journal</i> , 1983, 2, 1441-1443.	3.5	32
193	Influence of poisons and promoters on local bonding of CO to Ni(100). <i>Surface Science</i> , 1985, 162, 322-328.	0.8	32
194	Quantitative multiple-scattering analysis of near-edge x-ray-absorption fine structure: c(22)O on Cu(100). <i>Physical Review B</i> , 1987, 35, 7756-7759.	1.1	31
195	Stability of bulk and surface carbide layers and their relation to the Fischer-Tropsch hydrocarbon synthesis. <i>Surface Science</i> , 1988, 205, 513-522.	0.8	31
196	Extreme chirality in Swiss roll metamaterials. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 376003.	0.7	31
197	Order-N photonic band structures for metals and other dispersive materials. <i>Physical Review B</i> , 1999, 59, 1874-1877.	1.1	30
198	Imaging the near field. , 0, .		30

#	ARTICLE	IF	CITATIONS
199	Determination of adsorbate geometries from final state scattering in X-ray photoemission: Carbon monoxide and oxygen on (001) Ni. <i>Materials Science and Engineering</i> , 1980, 42, 111-119.	0.1	29
200	A transfer matrix approach to localisation in 3D. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 5317-5336.	1.5	29
201	Ordered and disordered oxygen and sulfur on Ni(100). <i>Surface Science</i> , 1991, 251-252, 488-492.	0.8	29
202	A study of ion-core potentials used in low-energy electron diffraction calculations. <i>Surface Science</i> , 1976, 54, 21-32.	0.8	28
203	Sodium and sulphur bilayers on a nickel (001) surface. <i>Journal of Physics C: Solid State Physics</i> , 1976, 9, 2721-2731.	1.5	28
204	The cluster approach to leed calculations. <i>Surface Science</i> , 1985, 162, 941-944.	0.8	28
205	Linear approximation to dynamical low-energy electron diffraction. <i>Physical Review B</i> , 1992, 46, 9897-9899.	1.1	28
206	Determination of anisotropic vibrations by tensor LEED. <i>Surface Science</i> , 1995, 331-333, 1435-1440.	0.8	28
207	Complex band structure in the presence of bound states and resonances. <i>Journal of Physics C: Solid State Physics</i> , 1970, 3, 59-69.	1.5	27
208	Theory of RHEED. <i>Journal of Physics C: Solid State Physics</i> , 1976, 9, 1833-1844.	1.5	27
209	Pendry Replies:. <i>Physical Review Letters</i> , 2001, 87, .	2.9	27
210	Light finds a way through the maze. <i>Physics Magazine</i> , 2008, 1, .	0.1	27
211	LEED spectra study of temperature effects in crystalline xenon surfaces. <i>Solid State Communications</i> , 1971, 9, 1851-1855.	0.9	26
212	Dynamical low energy electron diffraction methods. <i>Journal of Physics C: Solid State Physics</i> , 1975, 8, 1362-1370.	1.5	26
213	Causal-surface Green's function method. <i>Surface Science</i> , 1991, 244, 160-176.	0.8	26
214	The theory of SNOM: A novel approach. <i>Journal of Modern Optics</i> , 1997, 44, 1703-1714.	0.6	26
215	Holey metal films make perfect endoscopes. <i>Physical Review B</i> , 2009, 79, .	1.1	26
216	Universal Evolution of Perfect Lenses. <i>Physical Review Letters</i> , 2011, 106, 165503.	2.9	26

#	ARTICLE	IF	CITATIONS
217	Analytic properties of pseudo-potentials. Journal of Physics C: Solid State Physics, 1968, 1, 1065-1074.	1.5	25
218	Incomplete orbitals-new elements in ionic bonding. Journal of Physics C: Solid State Physics, 1977, 10, 809-824.	1.5	25
219	A theoretical study of the structure and reactivity of carbon and graphite layers on nickel surfaces. Surface Science, 1989, 221, 69-90.	0.8	25
220	Direct reconstruction of three-dimensional atomic adsorption sites by holographic LEED. Physical Review B, 1996, 54, 8172-8176.	1.1	25
221	The choice of muffin-tin pseudopotential. Journal of Physics C: Solid State Physics, 1969, 2, 841-851.	1.5	24
222	Theory of averaged low energy electron diffraction data. Journal of Physics C: Solid State Physics, 1972, 5, 2567-2578.	1.5	24
223	Diffuse LEED from simple stepped surfaces. Surface Science, 1986, 173, 1-19.	0.8	24
224	Electron-hole pair contributions to the effective mass of electrons at surfaces. Surface Science, 1986, 166, 69-74.	0.8	24
225	An effective medium description of "Swiss Rolls"™, a magnetic metamaterial. Journal of Physics Condensed Matter, 2007, 19, 456216.	0.7	24
226	Taking the wraps off cloaking. Physics Magazine, 2009, 2, .	0.1	24
227	Scattering of ⁴ He atoms from the surface of liquid ⁴ He at 30 mK. Journal of Physics C: Solid State Physics, 1976, 9, 3183-3191.	1.5	23
228	Multiple scattering theory of electron diffraction. Surface Science, 1994, 299-300, 375-390.	0.8	23
229	Transformation optics and hidden symmetries. Physical Review B, 2014, 89, .	1.1	23
230	Gain mechanism in time-dependent media. Optica, 2021, 8, 636.	4.8	23
231	Gain in time-dependent media "a new mechanism. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3360.	0.9	23
232	The bandwidth of disordered 1D systems. Journal of Physics C: Solid State Physics, 1984, 17, 6711-6722.	1.5	22
233	Multiple scattering theory of diffuse LEED from vacancies. Surface Science, 1985, 155, 241-253.	0.8	22
234	The influence of S on the local electronic structure of Ni and Rh (111) surfaces " Implications in heterogeneous catalysis. Surface Science, 1986, 178, 856-864.	0.8	22

#	ARTICLE	IF	CITATIONS
235	Holographic reconstruction from measured diffuse low-energy-electron-diffraction intensities. <i>Physical Review B</i> , 1992, 45, 9402-9405.	1.1	22
236	LEED and the crystallography of surfaces. <i>Surface Science Reports</i> , 1993, 19, 87-97.	3.8	22
237	Calculation of photoelectron spectra from TiC(111) and WC(0001). <i>Surface Science</i> , 1985, 162, 19-24.	0.8	21
238	Phonon scattering in diffuse leed. <i>Surface Science</i> , 1988, 193, 1-9.	0.8	21
239	Scanning-tunneling-microscopy investigation of the $(2\sqrt{2}\times 2)$ and $c(2\sqrt{2}\times 2)$ overlayers of S on Ni(100). <i>Physical Review B</i> , 1993, 48, 8267-8276.	1.1	21
240	Description of van der Waals Interactions Using Transformation Optics. <i>Physical Review Letters</i> , 2013, 111, 033602.	2.9	21
241	Transformation optics approach to singular metasurfaces. <i>Physical Review B</i> , 2018, 98, .	1.1	21
242	The cancellation theorem in pseudopotential theory. <i>Journal of Physics C: Solid State Physics</i> , 1971, 4, 427-434.	1.5	20
243	Calculation of elastic diffuse leed intensities from disordered adsorbates. <i>Computer Physics Communications</i> , 1986, 42, 399-415.	3.0	20
244	Transfer matrices and conductivity in two- and three-dimensional systems. I. Formalism. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 3273-3286.	0.7	20
245	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.	3.0	20
246	MEED intensity calculations for aluminium (110) and (100) surfaces using the chain method. <i>Journal of Physics C: Solid State Physics</i> , 1977, 10, 1-10.	1.5	19
247	LEED structural analysis of N_2 and CO ($\sqrt{2}\times\sqrt{2}$) $R45^\circ$ structures on W(100). <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 4921-4931.	1.5	19
248	Electron localisation in 1D-the general case. <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, 141-149.	1.5	19
249	Surface dipole moments from LEED investigations. <i>Surface Science</i> , 1993, 289, 389-396.	0.8	19
250	An Archimedes' screw for light. <i>Nature Communications</i> , 2022, 13, 2523.	5.8	19
251	Theory of positronium formation at metallic surfaces. <i>Surface Science</i> , 1989, 209, 23-43.	0.8	18
252	Direct low-energy electron-diffraction analysis of $c(2\sqrt{2}\times 2)O/Ni(100)$ including substrate reconstruction. <i>Physical Review B</i> , 1990, 41, 10179-10181.	1.1	18

#	ARTICLE	IF	CITATIONS
253	Quantum well resonances in scanning tunneling microscopy. <i>Surface Science</i> , 1993, 295, 34-42.	0.8	18
254	Electromagnetic response of a point-dipole crystal. <i>Physical Review B</i> , 2005, 72, .	1.1	18
255	Plasmon effects on image states at metal surfaces. <i>Journal of Physics C: Solid State Physics</i> , 1986, 19, 5437-5451.	1.5	17
256	Angle resolved photoemission study of surface core states in W(110). <i>Surface Science</i> , 1987, 189-190, 782-787.	0.8	17
257	Statistics and scaling in one-dimensional disordered systems. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 2821-2832.	0.7	17
258	Transfer Matrix Techniques for Electromagnetic Waves. , 1996, , 203-228.		17
259	Electron energy loss in composite systems. <i>Physical Review B</i> , 1997, 55, 9550-9557.	1.1	17
260	Comment on "Spaser Action, Loss Compensation, and Stability in Plasmonic Systems with Gain". <i>Physical Review Letters</i> , 2011, 107, 259703; discussion 259704.	2.9	17
261	Transformation optics applied to van der Waals interactions. <i>Science Bulletin</i> , 2016, 61, 59-67.	4.3	17
262	Low-q Phonons and the Widths of Low-Energy Electron-Diffraction Peaks. <i>Physical Review Letters</i> , 1969, 22, 1003-1005.	2.9	16
263	Critical exponents in localisation theory. <i>Journal of Physics C: Solid State Physics</i> , 1986, 19, 3855-3862.	1.5	15
264	Van der Waals Force Assisted Heat Transfer. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 181-188.	0.7	15
265	The expansion of Tensor-LEED in Cartesian coordinates. <i>Surface Science</i> , 1992, 273, 261-270.	0.8	14
266	Scanning-tunneling-microscopy investigation of the Ni(100)-p(2 \times 2)C surface. <i>Physical Review B</i> , 1993, 48, 8356-8364.	1.1	14
267	The quantisation of charge transport in ionic systems. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 1269-1279.	1.5	13
268	A method of estimating the minimum amount of material required to poison or promote a supported metal catalyst. <i>Catalysis Letters</i> , 1988, 1, 1-5.	1.4	13
269	Electronic properties of disordered materials: a symmetric group approach. <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, 4333-4355.	1.5	13
270	Low frequency plasmons in thin-wire structures: a commentary. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 481002.	0.7	13

#	ARTICLE	IF	CITATIONS
271	Theoretical calculations of STM data on Ni(100)-C for various concentrations of carbon. Surface Science, 1994, 303, 197-205.	0.8	12
272	Transformation Optics: A Time- and Frequency-Domain Analysis of Electron-Energy Loss Spectroscopy. Nano Letters, 2016, 16, 5156-5162.	4.5	12
273	XANES and the determination of local atomic arrangements at surfaces. Journal of Vacuum Science and Technology, 1982, 20, 665-667.	1.9	11
274	Multi-atom correlations in X-ray absorption near-edge structure. Surface Science, 1985, 162, 903-908.	0.8	11
275	Metamaterials and the Control of Electromagnetic Fields. , 2007, , CMB2.		11
276	Transformation optics description of touching metal nanospheres. Physical Review B, 2012, 85, .	1.1	11
277	Inelastic scattering of low-energy electrons by tight-binding electrons. Journal of Physics C: Solid State Physics, 1975, 8, 1087-1098.	1.5	10
278	Fast XANES perturbation schemes. Surface Science, 1985, 152-153, 33-37.	0.8	10
279	Poisoning of the methanation reaction on the Ni(100) surface; theoretical calculations compared with the results of goodman et al. Applied Catalysis, 1986, 25, 9-17.	1.1	10
280	Direct methods in surface crystallography. Vacuum, 1990, 41, 340-342.	1.6	10
281	Transfer matrices and conductivity in two- and three-dimensional systems. II. Application to localised and delocalised systems. Journal of Physics Condensed Matter, 1990, 2, 3287-3301.	0.7	10
282	Mimicking a negative refractive slab by combining two phase conjugators. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 72.	0.9	10
283	Electron correlation at metallic densities. II. Calculation of the correlation coefficient. Journal of Physics C: Solid State Physics, 1973, 6, 1909-1925.	1.5	9
284	Angle resolved core level XPS from copper single crystals. Journal of Electron Spectroscopy and Related Phenomena, 1979, 15, 157-163.	0.8	9
285	Xanes and diffuse leed for atoms and complex molecules on surfaces. Surface Science, 1985, 156, 845-850.	0.8	9
286	Calculation of the renormalised electron scattering matrix of a molecule adsorbed on a crystal surface. Computer Physics Communications, 1987, 46, 129-140.	3.0	9
287	Disorder, Symmetry, and Electrons. Physical Review Letters, 1988, 60, 2093-2096.	2.9	9
288	Time-reversal symmetry, microcavities and photonic crystals. Journal of Modern Optics, 2001, 48, 581-595.	0.6	9

#	ARTICLE	IF	CITATIONS
289	Very-low-frequency magnetic plasma. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 7409-7416.	0.7	9
290	Super phase array. <i>New Journal of Physics</i> , 2010, 12, 033047.	1.2	9
291	Reflection of waves from disordered surfaces. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 7901-7912.	0.7	8
292	A Polarized Transfer Matrix for Electromagnetic Waves in Structured Media. <i>Journal of Modern Optics</i> , 1994, 41, 1781-1802.	0.6	8
293	Existence and properties of microwave surface plasmons at the interface between a right-handed and a left-handed media. , 2004, , .		8
294	Computing one-dimensional metasurfaces. <i>Physical Review B</i> , 2019, 99, .	1.1	8
295	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.	3.3	8
296	The electronic structure of liquids. <i>Journal of Physics C: Solid State Physics</i> , 1980, 13, 3357-3368.	1.5	7
297	Non-equilibrium noise in low-dimensional systems. <i>Journal of Physics C: Solid State Physics</i> , 1986, 19, 207-220.	1.5	7
298	Electron energy loss in dense arrays of metallic particles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 96, 565-568.	0.6	7
299	Hidden symmetries in plasmonic gratings. <i>Physical Review B</i> , 2017, 95, .	1.1	7
300	Photon localization and Bloch symmetry breaking in luminal gratings. <i>Physical Review B</i> , 2021, 104, .	1.1	7
301	Čerenkov radiation in vacuum from a superluminal grating. <i>Physical Review Research</i> , 2022, 4, .	1.3	7
302	The self-energy of a positron in an electron Fermi sea. <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 3725-3732.	1.5	6
303	Calculation of the impact scattering contribution to electron energy loss spectra. <i>Computer Physics Communications</i> , 1982, 25, 389-416.	3.0	6
304	The localization length and density of states of 1D disordered systems. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 5297-5305.	0.7	6
305	Polarization Effects in Electromagnetic Wave Propagation in a Two-dimensional Disordered System. <i>Journal of Modern Optics</i> , 1995, 42, 339-366.	0.6	6
306	Interface modes of two-dimensional composite structures. <i>Surface Science</i> , 1999, 433-435, 605-611.	0.8	6

#	ARTICLE	IF	CITATIONS
307	Time-reversal symmetry, microcavities and photonic crystals. <i>Journal of Modern Optics</i> , 2001, 48, 581-595.	0.6	6
308	Negative refraction. <i>Contemporary Physics</i> , 2009, 50, 363-374.	0.8	6
309	Chirality in Swiss Roll metamaterials. <i>Physica B: Condensed Matter</i> , 2010, 405, 2943-2946.	1.3	6
310	Singular graphene metasurfaces. <i>EPJ Applied Metamaterials</i> , 2019, 6, 10.	0.8	6
311	Nonlocal effects in plasmonic metasurfaces with almost touching surfaces. <i>Physical Review B</i> , 2020, 101, .	1.1	6
312	Calculating spatiotemporally modulated surfaces: A dynamical differential formalism. <i>Physical Review A</i> , 2021, 104, .	1.0	6
313	Photon conservation in trans-luminal metamaterials. <i>Optica</i> , 2022, 9, 724.	4.8	6
314	Electron correlation at metallic densities. I: Formalism. <i>Journal of Physics C: Solid State Physics</i> , 1970, 3, 1711-1717.	1.5	5
315	The application of the chain method to electron emission. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, 1031-1041.	1.5	5
316	Transfer matrices and the glory. <i>Waves in Random and Complex Media</i> , 1993, 3, 221-241.	1.5	5
317	Order-N effective response of two-dimensional metallic structures. <i>Surface Science</i> , 2000, 454-456, 1090-1093.	0.8	5
318	Numerical analysis of Swiss roll metamaterials. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 326006.	0.7	5
319	Chirality and Nanophotonics. <i>Advanced Optical Materials</i> , 2017, 5, 1700501.	3.6	5
320	Crossing the light line. <i>Nanophotonics</i> , 2021, 11, 161-167.	2.9	5
321	The phase problem in LEED. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, 2415-2435.	1.5	4
322	Theoretical Calculations on the Stability of Carbide Layers at Transition Metal Surfaces. <i>Studies in Surface Science and Catalysis</i> , 1989, 48, 335-345.	1.5	4
323	Log-normal distribution as a description of fluctuations in one-dimensional disordered systems. <i>Physical Review B</i> , 1990, 41, 10240-10242.	1.1	4
324	Structure and function at catalyst surfaces. <i>Catalysis Letters</i> , 1991, 9, 189-194.	1.4	4

#	ARTICLE	IF	CITATIONS
325	Beyond Diffusion to Diffraction. <i>Journal of Modern Optics</i> , 1995, 42, 2495-2531.	0.6	4
326	Pendry et al. Reply. <i>Physical Review Letters</i> , 1997, 78, 4136-4136.	2.9	4
327	Luo et al. Reply. <i>Physical Review Letters</i> , 2015, 115, 239402.	2.9	4
328	The Transition Region Between XANES and EXAFS. <i>Springer Series in Chemical Physics</i> , 1983, , 4-10.	0.2	4
329	Can sheared surfaces emit light?. , 0, .		4
330	Parametrised, separable potential for band structure calculations. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, 2939-2957.	1.5	3
331	The properties of helium atoms and as impurities in metals. <i>Radiation Effects</i> , 1980, 53, 105-110.	0.4	3
332	Azimuthal and polar-angle dependence in xanes of low-symmetry adsorption sites. <i>Surface Science</i> , 1985, 162, 909-912.	0.8	3
333	Symmetry and transport in disordered systems. <i>IBM Journal of Research and Development</i> , 1988, 32, 137-143.	3.2	3
334	Catching moonbeams. <i>Nature</i> , 1991, 351, 438-439.	18.7	3
335	Plasmon Localization Assisted by Conformal Symmetry. <i>ACS Photonics</i> , 2020, 7, 951-958.	3.2	3
336	Spatial coherence in 2D holography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021, 38, 727.	0.8	3
337	Revealing topology with transformation optics. <i>Nature Communications</i> , 2021, 12, 6887.	5.8	3
338	Ferromagnetic surface states of antiferromagnetic nickel sulphide. <i>Surface Science</i> , 1976, 57, 241-250.	0.8	2
339	Photonic insulators. <i>Nature</i> , 1991, 354, 435-436.	13.7	2
340	Electron Energy Loss Spectroscopy of Singular Plasmonic Metasurfaces. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000055.	4.4	2
341	Designing plasmonic exceptional points by transformation optics. <i>Optics Express</i> , 2021, 29, 16046.	1.7	2
342	LEED, XANES and the Structure of Disordered Surfaces. <i>Springer Series in Surface Sciences</i> , 1985, , 124-130.	0.3	2

#	ARTICLE	IF	CITATIONS
343	XANES AND THE DETERMINATION OF BOND ANGLES. Journal De Physique Colloque, 1985, 46, C9-93-C9-100.	0.2	2
344	Shrinking the surface plasmon. Nanophotonics, 2020, 10, 545-548.	2.9	2
345	Surface chemistry: Removing the black magic. Nature, 1984, 312, 504-504.	13.7	1
346	Back to basics for microchips. Nature, 1989, 339, 581-582.	13.7	1
347	Microwaves in random media. Nature, 1989, 342, 223-224.	13.7	1
348	Singularities in forward scattering through random media. Waves in Random and Complex Media, 1991, 1, 195-206.	1.5	1
349	Casimir-Induced Instabilities at Metallic Surfaces and Interfaces. Physical Review Letters, 2021, 126, 046802.	2.9	1
350	LEED Thermal Scattering Studies of Xe (111) Surfaces. Journal of Vacuum Science and Technology, 1972, 9, 720-720.	1.9	0
351	Impact scattering calculation for angle-resolved EELS. Vacuum, 1981, 31, 469.	1.6	0
352	Positrons at surfaces. Vacuum, 1981, 31, 691.	1.6	0
353	A generalised Friedel sum rule. Journal of Physics C: Solid State Physics, 1981, 14, 1137-1143.	1.5	0
354	Non-Equilibrium Noise in Localised Systems. Physica Scripta, 1986, T14, 62-64.	1.2	0
355	Electron localisation, Lyapunov exponents and the symmetric group. Journal of Physics Condensed Matter, 1989, 1, 3073-3082.	0.7	0
356	The sensitivity of diffuse leed experiments to atomic positions. Surface Science, 1989, 224, 170-178.	0.8	0
357	Multi-terminal phase-coherent magnetoconductance. Superlattices and Microstructures, 1992, 11, 303-307.	1.4	0
358	Energy losses in colloidal metals. Journal of Microscopy, 1995, 180, 294-299.	0.8	0
359	Numerical method for calculating spontaneous emission rate near a surface using Green's functions. , 1996, , 299-308.		0
360	THE CASE FOR ORDER-N METHODS IN LEED THEORY. Surface Review and Letters, 1997, 04, 901-905.	0.5	0

#	ARTICLE	IF	CITATIONS
361	1/f Noise in localized systems. Superlattices and Microstructures, 1998, 23, 871-882.	1.4	0
362	Nano-focusing of light. , 0, , .		0
363	Controlling light at the subwavelength scale. , 2015, , .		0
364	Magnetic localized surface plasmons supported by metal structures. , 2015, , .		0
365	Transformation optics and EELS, a frequency- and time-domain analysis. , 2016, , .		0
366	In memory of Viktor Georgievich Veselago. Physics-Uspekhi, 2019, 62, 315-316.	0.8	0
367	Multiple Scattering Effects in Near-Edge X-Ray Absorption Spectra. Springer Series in Surface Sciences, 1985, , 135-139.	0.3	0
368	The Structure of Organic Adsorbates from Elastic Diffuse LEED. Springer Series in Surface Sciences, 1985, , 131-134.	0.3	0
369	Diffuse LEED, Tensor LEED, and the Structure of Random Adsorbates. Springer Series in Surface Sciences, 1988, , 51-54.	0.3	0
370	Comparison of the Quasidynamical and Tensor LEED Approximation for LEED Intensity Spectra from a Reconstructed Surface. Springer Series in Surface Sciences, 1988, , 19-25.	0.3	0
371	Electronic Processes at Disordered Surfaces. Springer Series in Surface Sciences, 1988, , 222-226.	0.3	0
372	Electromagnetic Radiation in Nanostructures. , 1995, , 67-74.		0
373	Electromagnetic Field Distributions in Complex Dielectric Structures. , 1996, , 253-260.		0