

Willem L Vos

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.

167
papers

9,411
citations

46
h-index

94
g-index

242
ext. papers

10,477
ext. citations

5.7
avg, IF

6
L-index

#	Paper	IF	Citations
167	Targeted Positioning of Quantum Dots Inside 3D Silicon Photonic Crystals Revealed by Synchrotron X-ray Fluorescence Tomography.. <i>ACS Nano</i> , 2022 ,	16.7	1
166	Tailoring the properties of quantum dot-micropillars by ultrafast optical injection of free charge carriers. <i>Light: Science and Applications</i> , 2021 , 10, 215	16.7	1
165	Spatially Shaping Waves to Penetrate Deep inside a Forbidden Gap. <i>Physical Review Letters</i> , 2021 , 126, 177402	7.4	1
164	Deterministic and Controllable Photonic Scattering Media via Direct Laser Writing. <i>Advanced Optical Materials</i> , 2020 , 8, 2001438	8.1	1
163	Reflectivity of three-dimensional GaAs photonic band-gap crystals of finite thickness. <i>Physical Review B</i> , 2020 , 101,	3.3	2
162	Local density of optical states in the three-dimensional band gap of a finite photonic crystal. <i>Physical Review B</i> , 2020 , 101,	3.3	6
161	Classical antennae, quantum emitters, and densities of optical states. <i>Journal of Optics (United Kingdom)</i> , 2020 ,	1.7	21
160	Quantitative Determination of Dark Chromophore Population Explains the Apparent Low Quantum Yield of Red Fluorescent Proteins. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 1383-1391	3.4	8
159	Experimental probe of a complete 3D photonic band gap. <i>Optics Express</i> , 2020 , 28, 2683-2698	3.3	3
158	Mutual extinction and transparency of multiple incident light waves. <i>Europhysics Letters</i> , 2020 , 130, 340026	2.6	0
157	Cartesian light: Unconventional propagation of light in a three-dimensional superlattice of coupled cavities within a three-dimensional photonic band gap. <i>Physical Review B</i> , 2019 , 99,	3.3	4
156	Three-dimensional photonic band gap cavity with finite support: Enhanced energy density and optical absorption. <i>Physical Review B</i> , 2019 , 99,	3.3	16
155	Systematic Design of the Color Point of a White LED. <i>ACS Photonics</i> , 2019 , 6, 3070-3075	6.3	5
154	An Optical Probe of a 3D Photonic Band Gap 2019 ,		1
153	Absorption Enhancement of a Thin Silicon Film with a 3D Photonic Band Gap Crystal Back Reflector 2019 ,		1
152	X-ray Imaging of Functional Three-Dimensional Nanostructures on Massive Substrates. <i>ACS Nano</i> , 2019 , 13, 13932-13939	16.7	6
151	Controlled sub-10-nanometer poly(N-isopropyl-acrylamide) layers grafted from silicon by atom transfer radical polymerization. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 806-813	3.2	10

150	Scattering media characterization with phase-only wavefront modulation. <i>Optics Express</i> , 2018 , 26, 2369-2379	3.3	15
149	Three-dimensional spatially resolved optical energy density enhanced by wavefront shaping. <i>Optica</i> , 2018 , 5, 844	8.6	15
148	Finite-size Scaling of the Density of States in Photonic Band Gap Crystals. <i>Physical Review Letters</i> , 2018 , 120, 237402	7.4	19
147	Transport of Light Through White-LED Phosphor Plates. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2017 , 467-468	0.2	
146	Reflectivity calculated for a three-dimensional silicon photonic band gap crystal with finite support. <i>Physical Review B</i> , 2017 , 95,	3.3	11
145	Cavity switching: A novel resource for solid-state quantum optics 2017 ,		1
144	Analytical modeling of light transport in scattering materials with strong absorption. <i>Optics Express</i> , 2017 , 25, A906-A921	3.3	14
143	Optimal all-optical switching of a microcavity resonance in the telecom range using the electronic Kerr effect. <i>Optics Express</i> , 2016 , 24, 239-53	3.3	7
142	Programmable two-photon quantum interference in 103 channels in opaque scattering media. <i>Physical Review A</i> , 2016 , 93,	2.6	31
141	Coupling of energy into the fundamental diffusion mode of a complex nanophotonic medium. <i>New Journal of Physics</i> , 2016 , 18, 043032	2.9	20
140	Coherent Cherenkov radiation and laser oscillation in a photonic crystal. <i>Physical Review A</i> , 2016 , 94,	2.6	13
139	Controlling the intensity of light in large areas at the interfaces of a scattering medium. <i>Physical Review A</i> , 2016 , 94,	2.6	8
138	How to distinguish elastically scattered light from Stokes shifted light for solid-state lighting?. <i>Journal of Applied Physics</i> , 2016 , 119, 093102	2.5	5
137	Faster resonance energy transfer rate in any dielectric nanophotonic medium with weak dispersion. <i>New Journal of Physics</i> , 2016 , 18, 053037	2.9	39
136	Optical transmission matrix as a probe of the photonic strength. <i>Physical Review A</i> , 2016 , 94,	2.6	13
135	Mapping the energy density of shaped waves in scattering media onto a complete set of diffusion modes. <i>Optics Express</i> , 2016 , 24, 18525-40	3.3	5
134	Speckle correlation resolution enhancement of wide-field fluorescence imaging. <i>Optica</i> , 2015 , 2, 424	8.6	68
133	Method for making a single-step etch mask for 3D monolithic nanostructures. <i>Nanotechnology</i> , 2015 , 26, 505302	3.4	15

132	Non-invasive imaging through opaque scattering layers 2015 ,		3
131	Nanophotonic hybridization of narrow atomic cesium resonances and photonic stop gaps of opaline nanostructures. <i>Physical Review B</i> , 2015 , 91,	3.3	3
130	Local density of optical states in the band gap of a finite one-dimensional photonic crystal. <i>Physical Review B</i> , 2014 , 89,	3.3	23
129	Observation of intensity statistics of light transmitted through 3D random media. <i>Optics Letters</i> , 2014 , 39, 6347-50	3	4
128	Interplay between multiple scattering, emission, and absorption of light in the phosphor of a white light-emitting diode. <i>Optics Express</i> , 2014 , 22, 8190-204	3.3	28
127	Differential ultrafast all-optical switching of the resonances of a micropillar cavity. <i>Applied Physics Letters</i> , 2014 , 105, 111115	3.4	15
126	Transmission channels for light in absorbing random media: From diffusive to ballistic-like transport. <i>Physical Review B</i> , 2014 , 89,	3.3	45
125	Design of a three-dimensional photonic band gap cavity in a diamondlike inverse woodpile photonic crystal. <i>Physical Review B</i> , 2014 , 90,	3.3	20
124	Angular Redistribution of Near-Infrared Emission from Quantum Dots in Three-Dimensional Photonic Crystals. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 3431-3439	3.8	6
123	Broadband mean free path of diffuse light in polydisperse ensembles of scatterers for white light-emitting diode lighting. <i>Applied Optics</i> , 2013 , 52, 2602-9	1.7	30
122	Non-exponential spontaneous emission dynamics for emitters in a time-dependent optical cavity. <i>Optics Express</i> , 2013 , 21, 23130-44	3.3	16
121	All-optical switching of a microcavity repeated at terahertz rates. <i>Optics Letters</i> , 2013 , 38, 374-6	3	28
120	Optimal control of light propagation through multiple-scattering media in the presence of noise. <i>Biomedical Optics Express</i> , 2013 , 4, 1759-68	3.5	44
119	2013 ,		1
118	Mapping the absolute electromagnetic field strength of individual field components inside a photonic crystal 2013 ,		1
117	Imaging Through Scattering Media 2013 ,		2
116	Inverse-Woodpile Photonic Band Gap Crystals with a Cubic Diamond-like Structure Made from Single-Crystalline Silicon. <i>Advanced Functional Materials</i> , 2012 , 22, 25-31	15.6	29
115	Nanophotonic control of the Förster resonance energy transfer efficiency. <i>Physical Review Letters</i> , 2012 , 109, 203601	7.4	109

114	Non-invasive imaging through opaque scattering layers. <i>Nature</i> , 2012 , 491, 232-4	50.4	557
113	Extraction of optical Bloch modes in a photonic-crystal waveguide. <i>Journal of Applied Physics</i> , 2012 , 111, 033108	2.5	3
112	Competition between electronic Kerr and free-carrier effects in an ultimate-fast optically switched semiconductor microcavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 2630	1.7	9
111	Observation of a stronger-than-adiabatic change of light trapped in an ultrafast switched GaAs-ALAs microcavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, A1	1.7	8
110	Method to map individual electromagnetic field components inside a photonic crystal. <i>Optics Express</i> , 2012 , 20, 22902-13	3.3	2
109	Observation of sub-Bragg diffraction of waves in crystals. <i>Physical Review Letters</i> , 2012 , 108, 083901	7.4	10
108	Measurement of a band-edge tail in the density of states of a photonic-crystal waveguide. <i>Physical Review B</i> , 2012 , 86,	3.3	27
107	Scattering lens resolves sub-100 nm structures with visible light. <i>Physical Review Letters</i> , 2011 , 106, 193905	7.4	190
106	Focusing light through random photonic media by binary amplitude modulation. <i>Optics Express</i> , 2011 , 19, 4017-29	3.3	126
105	Scattering optics resolve nanostructure 2011 ,		1
104	Broadband coherent backscattering spectroscopy of the interplay between order and disorder in three-dimensional opal photonic crystals. <i>Physical Review B</i> , 2011 , 83,	3.3	8
103	Inhibited spontaneous emission of quantum dots observed in a 3D photonic band gap. <i>Physical Review Letters</i> , 2011 , 107, 193903	7.4	94
102	Controlling the quality factor of a tuning-fork resonance between 9 and 300 K for scanning-probe microscopy. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 375502	3	9
101	Method to pattern etch masks in two inclined planes for three-dimensional nano- and microfabrication. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 061604	1.3	7
100	Signature of a three-dimensional photonic band gap observed on silicon inverse woodpile photonic crystals. <i>Physical Review B</i> , 2011 , 83,	3.3	33
99	Ultimate fast optical switching of a planar microcavity in the telecom wavelength range. <i>Applied Physics Letters</i> , 2011 , 98, 161114	3.4	36
98	Optical characterization and selective addressing of the resonant modes of a micropillar cavity with a white light beam. <i>Physical Review B</i> , 2010 , 82,	3.3	15
97	Observation of spatial fluctuations of the local density of states in random photonic media. <i>Physical Review Letters</i> , 2010 , 105, 013904	7.4	62

96	Broadband sensitive pump-probe setup for ultrafast optical switching of photonic nanostructures and semiconductors. <i>Review of Scientific Instruments</i> , 2009 , 80, 073104	1.7	11
95	Orientation-dependent spontaneous emission rates of a two-level quantum emitter in any nanophotonic environment. <i>Physical Review A</i> , 2009 , 80,	2.6	45
94	The influence of fabrication deviations on the photonic band gap of three-dimensional inverse woodpile nanostructures. <i>Journal of Applied Physics</i> , 2009 , 105, 093108	2.5	23
93	Broad-band and Omnidirectional Antireflection Coatings Based on Semiconductor Nanorods. <i>Advanced Materials</i> , 2009 , 21, 973-978	24	225
92	Method to deterministically study photonic nanostructures in different experimental instruments. <i>Journal of Microscopy</i> , 2009 , 233, 18-23	1.9	1
91	Identification of competing ultrafast all-optical switching mechanisms in Si woodpile photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 610	1.7	10
90	Accurate calculation of the local density of optical states in inverse-opal photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 987	1.7	30
89	Spectral emission imaging to map photonic properties below the crystal surface of 3D photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2101	1.7	2
88	Size-dependent oscillator strength and quantum efficiency of CdSe quantum dots controlled via the local density of states. <i>Physical Review B</i> , 2009 , 79,	3.3	74
87	Manipulation of the local density of photonic states to elucidate fluorescent protein emission rates. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 2525-31	3.6	15
86	Size dependence of the wavefunction of self-assembled InAs quantum dots from time-resolved optical measurements. <i>Physical Review B</i> , 2008 , 77,	3.3	98
85	Structural properties of opals grown with vertical controlled drying. <i>Langmuir</i> , 2008 , 24, 4670-5	4	32
84	Fluorescence Lifetime of Emitters with Broad Homogeneous Linewidths Modified in Opal Photonic Crystals. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7250-7254	3.8	57
83	Periodic arrays of deep nanopores made in silicon with reactive ion etching and deep UV lithography. <i>Nanotechnology</i> , 2008 , 19, 145304	3.4	58
82	Fabrication of three-dimensional nanostructures by focused ion beam milling. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 973		16
81	Kerr and free carrier ultrafast all-optical switching of GaAs/AlAs nanostructures near the three photon edge of GaAs. <i>Journal of Applied Physics</i> , 2008 , 104, 083105	2.5	12
80	All-optical octave-broad ultrafast switching of Si woodpile photonic band gap crystals. <i>Physical Review B</i> , 2008 , 77,	3.3	23
79	Color control of natural fluorescent proteins by photonic crystals. <i>Small</i> , 2008 , 4, 492-6	11	40

78	Strongly nonexponential time-resolved fluorescence of quantum-dot ensembles in three-dimensional photonic crystals. <i>Physical Review B</i> , 2007 , 75,	3.3	79
77	Statistical analysis of time-resolved emission from ensembles of semiconductor quantum dots: Interpretation of exponential decay models. <i>Physical Review B</i> , 2007 , 75,	3.3	154
76	Ultrafast all-optical switching of 3D photonic band gap crystals 2007 ,		3
75	Dynamical ultrafast all-optical switching of planar GaAs/AlAs photonic microcavities. <i>Applied Physics Letters</i> , 2007 , 91, 111103	3.4	40
74	Ultrafast optical switching of three-dimensional Si inverse opal photonic band gap crystals. <i>Journal of Applied Physics</i> , 2007 , 102, 053111	2.5	16
73	Focused ion beam milling of nanocavities in single colloidal particles and self-assembled opals. <i>Nanotechnology</i> , 2006 , 17, 5717-5721	3.4	19
72	Optical extinction due to intrinsic structural variations of photonic crystals. <i>Physical Review B</i> , 2005 , 72,	3.3	115
71	Frequency-dependent spontaneous emission rate from CdSe and CdTe nanocrystals: influence of dark states. <i>Physical Review Letters</i> , 2005 , 95, 236804	7.4	154
70	Directional fluorescence spectra of laser dye in opal and inverse opal photonic crystals. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9980-8	3.4	136
69	Spatial homogeneity of optically switched semiconductor photonic crystals and of bulk semiconductors. <i>Journal of Applied Physics</i> , 2005 , 97, 043102	2.5	45
68	Optical properties of real photonic crystals: anomalous diffuse transmission. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 1075	1.7	46
67	Quantitative analysis of directional spontaneous emission spectra from light sources in photonic crystals. <i>Physical Review A</i> , 2005 , 71,	2.6	43
66	Long-wavelength fast semiconductor saturable absorber mirrors using metamorphic growth on GaAs substrates. <i>Applied Physics Letters</i> , 2005 , 87, 121106	3.4	23
65	Reflectivity of metallodielectric photonic glasses. <i>Physical Review B</i> , 2004 , 69,	3.3	9
64	Controlling the dynamics of spontaneous emission from quantum dots by photonic crystals. <i>Nature</i> , 2004 , 430, 654-7	50.4	947
63	Near-field probing of photonic crystals. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2004 , 2, 127-135	2.6	4
62	Homogeneity of Oxide Air-Sphere Crystals from Millimeter to 100-nm Length Scales: A Probe for Macroporous Photonic Crystal Formation. <i>Chemistry of Materials</i> , 2004 , 16, 2425-2432	9.6	7
61	Liquid crystal infiltration of complex dielectrics. <i>Physica B: Condensed Matter</i> , 2003 , 338, 143-148	2.8	17

60	An experimental study of strongly modified emission in inverse opal photonic crystals. <i>Physica Status Solidi A</i> , 2003 , 197, 648-661		29
59	Light Transport in Complex Photonic Systems 2003 , 2-20		
58	Light exiting from real photonic band gap crystals is diffuse and strongly directional. <i>Physical Review Letters</i> , 2003 , 91, 213902	7.4	83
57	Near-field optical investigation of three-dimensional photonic crystals. <i>Physical Review E</i> , 2003 , 68, 015601	7.1	23
56	Three-dimensional photonic crystals as a cage for light. <i>Comptes Rendus Physique</i> , 2002 , 3, 67-77	1.4	17
55	Angle-resolved reflectivity of single-domain photonic crystals: effects of disorder. <i>Physical Review E</i> , 2002 , 66, 036616	2.4	49
54	Broadband fivefold reduction of vacuum fluctuations probed by dyes in photonic crystals. <i>Physical Review Letters</i> , 2002 , 88, 143903	7.4	99
53	Ultrafast switching of photonic density of states in photonic crystals. <i>Physical Review B</i> , 2002 , 66,	3.3	81
52	Emission Spectra and Lifetimes of R6G Dye on Silica-Coated Titania Powder. <i>Langmuir</i> , 2002 , 18, 2444-2447	4.7	35
51	Macroporous germanium by electrochemical deposition. <i>Chemical Communications</i> , 2002 , 2054-5	5.8	29
50	Particle excursions in colloidal crystals. <i>Physical Review Letters</i> , 2001 , 86, 4855-8	7.4	19
49	Fabrication and Characterization of Large Macroporous Photonic Crystals in Titania. <i>Chemistry of Materials</i> , 2001 , 13, 4486-4499	9.6	162
48	Optical Probes inside Photonic Crystals. <i>MRS Bulletin</i> , 2001 , 26, 642-646	3.2	15
47	Experimental Probes of the Optical Properties of Photonic Crystals 2001 , 191-218		4
46	Electrochemical Assembly of Ordered Macropores in Gold. <i>Advanced Materials</i> , 2000 , 12, 888-890	2.4	128
45	Dynamics of dense, charge-stabilized suspensions of colloidal silica studied by correlation spectroscopy with coherent X-rays. <i>Journal of Applied Crystallography</i> , 2000 , 33, 424-427	3.8	35
44	Enhanced backscattering from photonic crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000 , 268, 104-111	2.3	63
43	Higher order Bragg diffraction by strongly photonic fcc crystals: onset of a photonic bandgap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000 , 272, 101-106	2.3	51

42	Modified spontaneous emission spectra of laser dye in inverse opal photonic crystals. <i>Physical Review A</i> , 2000 , 63,	2.6	80
41	Effective screening of hydrodynamic interactions in charged colloidal suspensions. <i>Physical Review Letters</i> , 2000 , 85, 5460-3	7.4	69
40	Photon correlation spectroscopy: X rays versus visible light. <i>Physical Review E</i> , 2000 , 61, 1676-80	2.4	35
39	Multiple Bragg wave coupling in photonic band-gap crystals. <i>Physical Review B</i> , 2000 , 62, 9872-9875	3.3	122
38	Electrochemical Assembly of Ordered Macropores in Gold 2000 , 12, 888		5
37	Inhibited Light Propagation and Broadband Reflection in Photonic Air-Sphere Crystals. <i>Physical Review Letters</i> , 1999 , 83, 2730-2733	7.4	119
36	Comment on Spontaneous Emission of Organic Molecules Embedded in a Photonic Crystal□ <i>Physical Review Letters</i> , 1999 , 83, 5401-5401	7.4	42
35	Large Dispersive Effects near the Band Edges of Photonic Crystals. <i>Physical Review Letters</i> , 1999 , 83, 2942-2945	7.4	133
34	Fluorescence lifetimes and linewidths of dye in photonic crystals. <i>Physical Review A</i> , 1999 , 59, 4727-4731	2.6	142
33	Spectroscopy of Fluorescein (FITC) Dyed Colloidal Silica Spheres. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 1408-1415	3.4	217
32	Light sources inside photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999 , 16, 1403	1.7	94
31	Structure and Formation of a Gel of Colloidal Disks. <i>International Journal of Thermophysics</i> , 1998 , 19, 887-894	2.1	14
30	Preparation of photonic crystals made of air spheres in titania. <i>Science</i> , 1998 , 281, 802-4	33.3	1373
29	Structure and formation of a gel of colloidal disks. <i>Physical Review E</i> , 1998 , 57, 1962-1970	2.4	160
28	Structure of crystalline methanol at high pressure. <i>Physical Review B</i> , 1998 , 58, R11809-R11812	3.3	76
27	X-ray Diffraction of Photonic Colloidal Single Crystals. <i>Langmuir</i> , 1997 , 13, 6004-6008	4	106
26	In Situ Characterization of Colloidal Spheres by Synchrotron Small-Angle X-ray Scattering. <i>Langmuir</i> , 1997 , 13, 6120-6129	4	54
25	Synchrotron Small-Angle X-ray Scattering of Colloids and Photonic Colloidal Crystals. <i>Journal of Applied Crystallography</i> , 1997 , 30, 637-641	3.8	31

24	Transmission and diffraction by photonic colloidal crystals. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 9503-9507	1.8	36
23	Strong effects of photonic band structures on the diffraction of colloidal crystals. <i>Physical Review B</i> , 1996 , 53, 16231-16235	3.3	166
22	Pressure dependence of hydrogen bonding in a novel H ₂ O·H ₂ clathrate. <i>Chemical Physics Letters</i> , 1996 , 257, 524-530	2.5	60
21	Influence of Optical Band Structures on the Diffraction of Photonic Colloidal Crystals 1996 , 107-118		2
20	Competition between vitrification and crystallization of methanol at high pressure. <i>Journal of Chemical Physics</i> , 1995 , 103, 2661-2669	3.9	36
19	Sound velocities in dense hydrogen and the interior of jupiter. <i>Science</i> , 1994 , 263, 1590-3	33.3	63
18	Novel H ₂ -H ₂ O clathrates at high pressures. <i>Physical Review Letters</i> , 1993 , 71, 3150-3153	7.4	228
17	Stability of van der Waals compounds and investigation of the intermolecular potential in helium-neon mixtures. <i>Journal of Chemical Physics</i> , 1992 , 97, 5707-5712	3.9	21
16	Isotope effects on fluid-fluid separation of H ₂ -He mixtures at high pressures. <i>Journal of Low Temperature Physics</i> , 1992 , 89, 711-714	1.3	
15	A high-pressure van der Waals compound in solid nitrogen-helium mixtures. <i>Nature</i> , 1992 , 358, 46-48	50.4	99
14	The phase diagram of the binary mixture nitrogen-helium at high pressure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992 , 182, 365-387	3.3	10
13	High pressure phase diagram of helium-hydrogen calculated through fluid integral equations and density functional theory of freezing. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 1613-1625	1.8	1
12	A diamond-anvil cell for the study of fluid binary mixtures at high temperatures. <i>Review of Scientific Instruments</i> , 1991 , 62, 1844-1848	1.7	2
11	On the temperature correction to the ruby pressure scale. <i>Journal of Applied Physics</i> , 1991 , 69, 6744-6746	6.5	75
10	The melting curve of neon at high pressure. <i>Journal of Chemical Physics</i> , 1991 , 94, 3835-3838	3.9	52
9	High-pressure triple point in helium: The melting line of helium up to 240 kbar. <i>Physical Review B</i> , 1990 , 42, 6106-6109	3.3	39
8	Solubility of fluid helium in solid nitrogen at high pressure. <i>Physical Review Letters</i> , 1990 , 64, 898-901	7.4	21
7	Freezing of simple systems using density functional theory. <i>Journal of Chemical Physics</i> , 1990 , 93, 5187-5193	4.93	46

6	A diamond anvil cell for the study of fluid mixtures at high temperatures. <i>High Pressure Research</i> , 1990 , 4, 613-615	1.6	2
5	Melting of helium: A comparison with He - N ₂ . <i>High Pressure Research</i> , 1990 , 4, 592-594	1.6	1
4	Improved phase diagram of nitrogen up to 85 kbar. <i>Journal of Chemical Physics</i> , 1989 , 91, 6302-6305	3.9	41
3	Phase behavior of the system He-N ₂ at high pressures. <i>International Journal of Thermophysics</i> , 1989 , 10, 15-25	2.1	6
2	Light propagation and emission in complex photonic media1-12		1
1	Cavity quantum electrodynamics with three-dimensional photonic band gap crystals180-214		2