Peter Beton

List of Publications by Year in Descending Order

246 papers	9,798 citations	54 h-index	91 g-index
256 ext. papers	10,807 ext. citations	6 avg, IF	5.78 L-index

#	Paper	IF	Citations
246	Band gap measurements of monolayer h-BN and insights into carbon-related point defects. *2D Materials*, **2021**, 8, 044001	5.9	8
245	High open-circuit voltage in transition metal dichalcogenide solar cells. *Nano Energy*, **2021**, 79, 105427	17.1	9
244	Identifying carbon as the source of visible single-photon emission from hexagonal boron nitride. *Nature Materials*, **2021**, 20, 321-328	27	78
243	Epitaxy of boron nitride monolayers for graphene-based lateral heterostructures. *2D Materials*, **2021**, 8, 034001	5.9	6
242	Resonant tunnelling into the two-dimensional subbands of InSe layers. *Communications Physics*, **2020**, 3,	5.4	13
241	Production and processing of graphene and related materials. *2D Materials*, **2020**, 7, 022001	5.9	179
240	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. *Nature Nanotechnology*, **2020**, 15, 592-597	28.7	110
239	Triplet Excitation and Electroluminescence from a Supramolecular Monolayer Embedded in a Boron Nitride Tunnel Barrier. *Nano Letters*, **2020**, 20, 278-283	11.5	5
238	Natural optical activity as the origin of the large chiroptical properties in □conjugated polymer thin films. *Nature Communications*, **2020**, 11, 6137	17.4	25
237	Fluorescence and Electroluminescence of J-Aggregated Polythiophene Monolayers on Hexagonal Boron Nitride. *ACS Nano*, **2020**, 14, 13886-13893	16.7	5
236	Step-flow growth of graphene-boron nitride lateral heterostructures by molecular beam epitaxy. *2D Materials*, **2020**, 7, 035014	5.9	6
235	AIRBED: A Simplified Density Functional Theory Model for Physisorption on Surfaces. *Journal of Chemical Theory and Computation*, **2019**, 15, 5628-5634	6.4	5
234	Direct band-gap crossover in epitaxial monolayer boron nitride. *Nature Communications*, **2019**, 10, 2639	17.4	93
233	Two-Dimensional Diffusion of Excitons in a Perylene Diimide Monolayer Quenched by a Fullerene Heterojunction. *Journal of Physical Chemistry C*, **2019**, 123, 12249-12254	3.8	2
232	Ultra-high resolution imaging of thin films and single strands of polythiophene using atomic force microscopy. *Nature Communications*, **2019**, 10, 1537	17.4	22
231	Epitaxial multilayers of alkanes on two-dimensional black phosphorus as passivating and electrically insulating nanostructures. *Nanoscale*, **2019**, 11, 17252-17261	7.7	11
230	Ordering, flexibility and frustration in arrays of porphyrin nanorings. *Nature Communications*, **2019**, 10, 2932	17.4	10

229	High-temperature molecular beam epitaxy of hexagonal boron nitride layers. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2018**, 36, 02D103	1.3	19
228	Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. *ACS Nano*, **2018**, 12, 7445-7481	16.7	146
227	High-Temperature Molecular Beam Epitaxy of Hexagonal Boron Nitride with High Active Nitrogen Fluxes. *Materials*, **2018**, 11,	3.5	14
226	Selection of Adlayer Patterns of 1,3-Dithia Derivatives of Ferrocene by the Nature of the Solvent. *Journal of Physical Chemistry C*, **2018**, 122, 19067-19074	3.8	5
225	Substrate-induced shifts and screening in the fluorescence spectra of supramolecular adsorbed organic monolayers. *Journal of Chemical Physics*, **2018**, 149, 054701	3.9	16
224	Coherent acoustic phonons in van der Waals nanolayers and heterostructures. *Physical Review B*, **2018**, 98,	3.3	19
223	Moiré-Modulated Conductance of Hexagonal Boron Nitride Tunnel Barriers. *Nano Letters*, **2018**, 18, 4241-4246	11.5	15
222	Van der Waals epitaxy of two-dimensional single-layer h-BN on graphite by molecular beam epitaxy: Electronic properties and band structure. *Applied Physics Letters*, **2018**, 112, 253102	3.4	31
221	Lattice-Matched Epitaxial Graphene Grown on Boron Nitride. *Nano Letters*, **2018**, 18, 498-504	11.5	24
220	Adsorption of Hexacontane on Hexagonal Boron Nitride. *Journal of Physical Chemistry C*, **2018**, 122, 27575-27581	3.8	1
219	The growth and fluorescence of phthalocyanine monolayers, thin films and multilayers on hexagonal boron nitride. *Chemical Communications*, **2018**, 54, 12021-12024	5.8	8
218	Epitaxial growth of □InSe and □, □ and □In 2 Se 3 on □GaSe. *2D Materials*, **2018**, 5, 035026	5.9	55
217	Engineering p □n junctions and bandgap tuning of InSe nanolayers by controlled oxidation. *2D Materials*, **2017**, 4, 025043	5.9	63
216	Deep ultraviolet emission in hexagonal boron nitride grown by high-temperature molecular beam epitaxy. *2D Materials*, **2017**, 4, 021023	5.9	73
215	Giant Quantum Hall Plateau in Graphene Coupled to an InSe van der Waals Crystal. *Physical Review Letters*, **2017**, 119, 157701	7.4	33
214	Probing properties of molecule-based interface systems: general discussion and Discussion of the Concluding Remarks. *Faraday Discussions*, **2017**, 204, 503-530	3.6	
213	Supramolecular effects in self-assembled monolayers: general discussion. *Faraday Discussions*, **2017**, 204, 123-158	3.6	2
212	Preparing macromolecular systems on surfaces: general discussion. *Faraday Discussions*, **2017**, 204, 395-418	3.6	

211	Supramolecular systems at liquid-solid interfaces: general discussion. *Faraday Discussions*, **2017**, 204, 271-295	3.6	2
210	Supramolecular heterostructures formed by sequential epitaxial deposition of two-dimensional hydrogen-bonded arrays. *Nature Chemistry*, **2017**, 9, 1191-1197	17.6	62
209	An atomic carbon source for high temperature molecular beam epitaxy of graphene. *Scientific Reports*, **2017**, 7, 6598	4.9	12
208	Supramolecular networks stabilise and functionalise black phosphorus. *Nature Communications*, **2017**, 8, 1385	17.4	57
207	Organisation and ordering of 1D porphyrin polymers synthesised by on-surface Glaser coupling. *Chemical Communications*, **2016**, 52, 10342-5	5.8	18
206	Enhancement of CO2 Adsorption and Catalytic Properties by Fe-Doping of [Ga2(OH)2(L)] (H4L = Biphenyl-3,3Q5,5Qtetracarboxylic Acid), MFM-300(Ga2). *Inorganic Chemistry*, **2016**, 55, 1076-88	5.1	52
205	Naphthalocyanine Thin Films and Field Effect Transistors. *Journal of Physical Chemistry C*, **2016**, 120, 15338-15341	3.8	5
204	Hexagonal Boron Nitride Tunnel Barriers Grown on Graphite by High Temperature Molecular Beam Epitaxy. *Scientific Reports*, **2016**, 6, 34474	4.9	48
203	High temperature MBE of graphene on sapphire and hexagonal boron nitride flakes on sapphire. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2016**, 34, 02L101	1.3	14
202	Strain-Engineered Graphene Grown on Hexagonal Boron Nitride by Molecular Beam Epitaxy. *Scientific Reports*, **2016**, 6, 22440	4.9	36
201	Quantum confinement and photoresponsivity of In 2 Se 3 nanosheets grown by physical vapour transport. *2D Materials*, **2016**, 3, 025030	5.9	68
200	Emergent rhombus tilings from molecular interactions with M-fold rotational symmetry. *Physical Review Letters*, **2015**, 114, 115702	7.4	14
199	Graphene-InSe-graphene van der Waals heterostructures. *Journal of Physics: Conference Series*, **2015**, 647, 012001	0.3	9
198	Nucleation and Early Stages of Layer-by-Layer Growth of Metal Organic Frameworks on Surfaces. *Journal of Physical Chemistry C*, **2015**, 119, 23544-23551	3.8	39
197	van der Waals-Induced Chromatic Shifts in Hydrogen-Bonded Two-Dimensional Porphyrin Arrays on Boron Nitride. *ACS Nano*, **2015**, 9, 10347-55	16.7	32
196	Ultrafast delocalization of excitation in synthetic light-harvesting nanorings. *Chemical Science*, **2015**, 6, 181-189	9.4	90
195	Adsorbate-induced curvature and stiffening of graphene. *Nano Letters*, **2015**, 15, 159-64	11.5	20
194	High broad-band photoresponsivity of mechanically formed InSe-graphene van der Waals heterostructures. *Advanced Materials*, **2015**, 27, 3760-6	24	252

193	Ligand-Induced Control of Photoconductive Gain and Doping in a Hybrid Graphene□Quantum Dot Transistor. *Advanced Electronic Materials*, **2015**, 1, 1500062	6.4	48
192	Supramolecular nesting of cyclic polymers. *Nature Chemistry*, **2015**, 7, 317-22	17.6	85
191	Porous macromolecular dihydropyridyl frameworks exhibiting catalytic and halochromic activity. *Journal of Materials Chemistry A*, **2014**, 2, 19889-19896	13	3
190	Bimolecular porous supramolecular networks deposited from solution on layered materials: graphite, boron nitride and molybdenum disulphide. *Chemical Communications*, **2014**, 50, 8882-5	5.8	23
189	Height dependent molecular trapping in stacked cyclic porphyrin nanorings. *Chemical Communications*, **2014**, 50, 7332-5	5.8	8
188	Surface-based supramolecular chemistry using hydrogen bonds. *Accounts of Chemical Research*, **2014**, 47, 3417-27	24.3	139
187	Vernier-templated synthesis, crystal structure, and supramolecular chemistry of a 12-porphyrin nanoring. *Chemistry - A European Journal*, **2014**, 20, 12826-34	4.8	39
186	Fullerenes as adhesive layers for mechanical peeling of metallic, molecular and polymer thin films. *Beilstein Journal of Nanotechnology*, **2014**, 5, 394-401	3	7
185	Room Temperature Electroluminescence from Mechanically Formed van der Waals III□VI Homojunctions and Heterojunctions. *Advanced Optical Materials*, **2014**, 2, 1064-1069	8.1	61
184	Common Physical Framework Explains Phase Behavior and Dynamics of Atomic, Molecular, and Polymeric Network Formers. *Physical Review X*, **2014**, 4,	9.1	14
183	Tuning the bandgap of exfoliated InSe nanosheets by quantum confinement. *Advanced Materials*, **2013**, 25, 5714-8	24	419
182	Solution preparation of two-dimensional covalently linked networks by polymerization of 1,3,5-Tri(4-iodophenyl)benzene on Au(111). *ACS Nano*, **2013**, 7, 3014-21	16.7	46
181	Mechanical stiffening of porphyrin nanorings through supramolecular columnar stacking. *Nano Letters*, **2013**, 13, 3391-5	11.5	34
180	Packing of Isophthalate Tetracarboxylic Acids on Au(111): Rows and Disordered Herringbone Structures. *Journal of Physical Chemistry C*, **2013**, 117, 18381-18385	3.8	9
179	Two Vernier-Templated Routes to a 24-Porphyrin Nanoring. *Angewandte Chemie*, **2012**, 124, 6800-6803	3.6	25
178	Two Vernier-templated routes to a 24-porphyrin nanoring. *Angewandte Chemie - International Edition*, **2012**, 51, 6696-9	16.4	77
177	Random and ordered phases of off-lattice rhombus tiles. *Physical Review Letters*, **2012**, 108, 035702	7.4	23
176	Broken symmetry and the variation of critical properties in the phase behaviour of supramolecular rhombus tilings. *Nature Chemistry*, **2011**, 4, 112-7	17.6	47

175	Single molecule magnets on a gold surface: in situ electrospray deposition, x-ray absorption and photoemission. *Nanotechnology*, **2011**, 22, 075704	3.4	22
174	Two-dimensional supramolecular chemistry on surfaces. *Chemical Science*, **2011**, 2, 1440	9.4	100
173	Guest-induced growth of a surface-based supramolecular bilayer. *Nature Chemistry*, **2011**, 3, 74-8	17.6	125
172	Vernier templating and synthesis of a 12-porphyrin nano-ring. *Nature*, **2011**, 469, 72-5	50.4	343
171	Graphene Formation by Decomposition of C60. *Journal of Physical Chemistry C*, **2011**, 115, 7472-7476	3.8	28
170	Dimerization of tri(4-bromophenyl)benzene by aryl-aryl coupling from solution on a gold surface. *Journal of the American Chemical Society*, **2011**, 133, 4220-3	16.4	59
169	Templating molecular adsorption using a covalent organic framework. *Chemical Communications*, **2010**, 46, 7157-9	5.8	170
168	Above-barrier surface electron resonances induced by a molecular network. *Physical Review B*, **2010** , 81,	3.3	6
167	Solubilized derivatives of perylenetetracarboxylic dianhydride (PTCDA) adsorbed on highly oriented pyrolytic graphite. *Langmuir*, **2010**, 26, 3972-4	4	7
166	Entropically stabilized growth of a two-dimensional random tiling. *Physical Review E*, **2010**, 82, 041109	2.4	7
165	Self-assembled aggregates formed by single-molecule magnets on a gold surface. *Nature Communications*, **2010**, 1, 75	17.4	94
164	Tailoring pores for guest entrapment in a unimolecular surface self-assembled hydrogen bonded network. *Chemical Communications*, **2010**, 46, 2775-7	5.8	38
163	A novel tripod-driven platform for in-situ positioning of samples and electrical probes in a TEM. *Journal of Physics: Conference Series*, **2010**, 241, 012057	0.3	1
162	Conformation and Packing of Porphyrin Polymer Chains Deposited Using Electrospray on a Gold Surface. *Angewandte Chemie*, **2010**, 122, 9322-9325	3.6	9
161	Supramolecular assemblies formed on an epitaxial graphene superstructure. *Angewandte Chemie - International Edition*, **2010**, 49, 1794-9	16.4	104
160	Conformation and packing of porphyrin polymer chains deposited using electrospray on a gold surface. *Angewandte Chemie - International Edition*, **2010**, 49, 9136-9	16.4	48
159	Dynamic scanning probe microscopy of adsorbed molecules on graphite. *Applied Physics Letters*, **2009**, 94, 043110	3.4	11
158	Molecular random tilings as glasses. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 15209-13	11.5	32

157	How does graphene grow? Easy access to well-ordered graphene films. *Small*, **2009**, 5, 2291-6	11	39
156	Adsorption of PTCDI on Au(1 1 1): Photoemission and scanning tunnelling microscopy. *Surface Science*, **2009**, 603, 3094-3098	1.8	19
155	Entrapment of decanethiol in a hydrogen-bonded bimolecular template. *Langmuir*, **2009**, 25, 2278-81	4	15
154	Formation of Monolayer Graphene by Annealing Sacrificial Nickel Thin Films. *Journal of Physical Chemistry C*, **2009**, 113, 16565-16567	3.8	64
153	Role of interaction anisotropy in the formation and stability of molecular templates. *Physical Review Letters*, **2008**, 100, 156101	7.4	62
152	Directing two-dimensional molecular crystallization using guest templates. *Chemical Communications*, **2008**, 2304-6	5.8	119
151	Electrospray Deposition of C60 on a Hydrogen-Bonded Supramolecular Network. *Journal of Physical Chemistry C*, **2008**, 112, 7706-7709	3.8	46
150	A compact combined ultrahigh vacuum scanning tunnelling microscope (UHV STM) and near-field optical microscope. *Measurement Science and Technology*, **2008**, 19, 045301	2	4
149	Random tiling and topological defects in a two-dimensional molecular network. *Science*, **2008**, 322, 1077-81	31.5	200
148	Constrained molecular manipulation mediated by attractive and repulsive tip-adsorbate forces. *Small*, **2008**, 4, 765-9	11	7
147	Functionalized supramolecular nanoporous arrays for surface templating. *Chemistry - A European Journal*, **2008**, 14, 7600-7	4.8	55
146	Honeycomb Networks and Chiral Superstructures Formed by Cyanuric Acid and Melamine on Au(111). *Journal of Physical Chemistry C*, **2007**, 111, 886-893	3.8	72
145	Growth front nucleation of rubrene thin films for high mobility organic transistors. *Applied Physics Letters*, **2007**, 91, 193505	3.4	54
144	Hierarchical organisation on a two-dimensional supramolecular network. *ChemPhysChem*, **2007**, 8, 2177-81	3.2	62
143	Coadsorbed NTCDI-melamine mixed phases on Ag-Si(111). *Physical Review B*, **2007**, 76,	3.3	20
142	Electrospray deposition of fullerenes in ultra-high vacuum:in situscanning tunneling microscopy and photoemission spectroscopy. *Nanotechnology*, **2007**, 18, 455304	3.4	45
141	Lateral translation of covalently bound fullerenes. *Journal of Physics Condensed Matter*, **2006**, 18, S1837-S1846	2.8	2
140	Kinetic instabilities in the growth of one dimensional molecular nanostructures. *Physical Review Letters*, **2006**, 97, 236102	7.4	10

139	Manipulation of C60 on the Si(001) surface: Experiment and theory. *Physical Review B*, **2006**, 74,	3.3	18
138	Experimental and theoretical identification of adenine monolayers on Ag-terminated Si(111). *Physical Review B*, **2006**, 73,	3.3	44
137	Bimolecular networks and supramolecular traps on Au(111). *Journal of Physical Chemistry B*, **2006**, 110, 12539-42	3.4	127
136	Hydrogen-bonded PTCDA-melamine networks and mixed phases. *Journal of Physical Chemistry B*, **2006**, 110, 6110-4	3.4	52
135	Dianhydride-amine hydrogen bonded perylene tetracarboxylic dianhydride and tetraaminobenzene rows. *Journal of Physical Chemistry B*, **2006**, 110, 12207-10	3.4	27
134	Surface self-assembly of the cyanuric acid-melamine hydrogen bonded network. *Chemical Communications*, **2006**, 538-40	5.8	101
133	Square, hexagonal, and row phases of PTCDA and PTCDI on Ag-Si(111)square root(3) x square root(3)R30 degrees. *Journal of Physical Chemistry B*, **2005**, 109, 12167-74	3.4	94
132	Growth induced reordering of fullerene clusters trapped in a two-dimensional supramolecular network. *Langmuir*, **2005**, 21, 2038-41	4	64
131	Bond breaking coupled with translation in rolling of covalently bound molecules. *Physical Review Letters*, **2005**, 94, 146104	7.4	81
130	Fractal-compact island transition and self-limiting growth of pentacene on polymers. *Surface Science*, **2003**, 537, 241-246	1.8	22
129	Controlling molecular deposition and layer structure with supramolecular surface assemblies. *Nature*, **2003**, 424, 1029-31	50.4	1022
128	Assembly and Processing of Hydrogen Bond Induced Supramolecular Nanostructures. *Nano Letters*, **2003**, 3, 9-12	11.5	151
127	High mobility organic transistors fabricated from single pentacene microcrystals grown on a polymer film. *Applied Physics Letters*, **2003**, 83, 3108-3110	3.4	35
126	Adsorption and manipulation of endohedral and higher fullerenes on Si(100)2×1. *Physical Review B*, **2003**, 67,	3.3	16
125	Competing interactions of noble metals and fullerenes with the Si(111)7×7 surface. *Journal of Chemical Physics*, **2003**, 119, 13046-13052	3.9	9
124	Attractive mode manipulation of covalently bound molecules. *Chemical Physics Letters*, **2002**, 366, 300-305	2.5	28
123	Atomic scale protection using fullerene encapsulation. *Applied Physics Letters*, **2001**, 78, 126-128	3.4	3
122	Orientationally ordered island growth of higher fullerenes on Ag/Si(111)($\sqrt{3}$×$\sqrt{3}$)R30°. *Physical Review B*, **2001**, 64,	3.3	33

121	Chemisorption of azafullerene on silicon: isolating C59N monomers. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2000**, 74, 202-205	3.1	3
120	Growth and modification of Ag islands on hydrogen terminated Si(100) surfaces. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2000**, 18, 13		8
119	Deposition of Fe clusters on Si surfaces. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2000**, 18, 2646		24
118	Digital scanning probe microscope controller for molecular manipulation applications. *Review of Scientific Instruments*, **2000**, 71, 1698-1701	1.7	11
117	Doping of covalently bound fullerene monolayers: Ag clusters on C60/Si(111). *Applied Physics Letters*, **2000**, 77, 1144-1146	3.4	9
116	C59N Monomers: Stabilization through Immobilization. *Physical Review Letters*, **1999**, 83, 3478-3481	7.4	21
115	Room temperature manipulation of the heterofullerene C59N on Si(100)-2□1. *Applied Physics Letters*, **1999**, 75, 1074-1076	3.4	26
114	Effects on the resonant tunneling characteristics of a double-barrier diode of intentional and unintentional dopings in the quantum well. *Journal of Applied Physics*, **1999**, 86, 1452-1455	2.5	4
113	Oscillations in the valence-band photoemission spectrum of the heterofullerene C59N: A photoelectron interference phenomenon. *Physical Review B*, **1999**, 59, 9834-9837	3.3	6
112	Adsorption of cobalt phthalocyanine on Ag terminated Si(111). *Surface Science*, **1999**, 441, 21-25	1.8	53
111	Novel characteristics of self assembled InAs quantum dots grown on (311)A GaAs. *Microelectronic Engineering*, **1998**, 43-44, 45-49	2.5	
110	C60 adsorption on the Si(110)-(16 □2) surface. *Surface Science*, **1998**, 397, 421-425	1.8	9
109	Reconstruction dependent adsorption of C60 on GaAs(111)B. *Surface Science*, **1998**, 405, 21-26	1.8	7
108	Translation, rotation and removal of C60 on Si(100)-2 □1 using anisotropic molecular manipulation. *Surface Science*, **1998**, 407, 27-35	1.8	75
107	Functionalized fullerenes on silicon surfaces. *Surface Science*, **1998**, 405, L526-L531	1.8	8
106	Optical anisotropy in arrow-shaped InAs quantum dots. *Physical Review B*, **1998**, 57, R6815-R6818	3.3	78
105	A self-assembled InAs quantum dot used as a quantum microscope looking into a two-dimensional electron gas. *Physics-Uspekhi*, **1998**, 41, 122-125	2.8	4
104	Probing the interactions of on Si(100)- using anisotropic molecular manipulation. *Semiconductor Science and Technology*, **1998**, 13, A47-A50	1.8	1

103	C60-terminated Si surfaces: Charge transfer, bonding, and chemical passivation. *Physical Review B*, **1998**, 57, 362-369	3.3	68
102	Molecular scale alignment strategies: An investigation of Ag adsorption on patterned fullerene layers. *Applied Physics Letters*, **1997**, 71, 2937-2939	3.4	12
101	Disorder-Order Ripening of C60 Islands. *Physical Review Letters*, **1997**, 78, 2588-2591	7.4	8
100	Nanometer scale patterning of C60 multilayers using molecular manipulation. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1997**, 15, 1478-1481	2.9	7
99	Double domain ordering and selective removal of C60 on Ag/Si(111)($\sqrt{3}\times\sqrt{3}$)R30°. *Physical Review B*, **1997**, 56, R1704-R1707	3.3	51
98	Absence of long-range ordered reconstruction on the GaAs(311)A surface. *Physical Review B*, **1997**, 55, 15397-15400	3.3	23
97	Investigation and Manipulation of C60 on a Si Surface Using a Scanning Tunneling Microscope. *Fullerenes, Nanotubes, and Carbon Nanostructures*, **1997**, 5, 769-780		1
96	Measurement and manipulation of Mn clusters on clean and fullerene terminated Si(111)-7×7. *Applied Physics Letters*, **1997**, 70, 2114-2116	3.4	23
95	Structural and optical characterization of self-assembled InAs-GaAs quantum dots grown on high index surfaces. *Microelectronics Journal*, **1997**, 28, 933-938	1.8	44
94	Resonant magnetotunneling through individual self-assembled InAs quantum dots. *Superlattices and Microstructures*, **1997**, 21, 255-258	2.8	7
93	MBE growth and magnetotunnelling transport properties of a single GaAs/AlAs/GaAs barrier incorporating InAs quantum dots. *Journal of Crystal Growth*, **1997**, 175-176, 782-786	1.6	
92	STM investigation and manipulation of molecules adsorbed on an Si(111) surface. *Semiconductor Science and Technology*, **1996**, 11, 1563-1568	1.8	3
91	Island, trimer, and chain formation on the Sb-terminated GaAs(111)B surface. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1996**, 14, 1024		8
90	(2×4)/c(2×8) to (4×2)/c(8×2) transition on GaAs(001) surfaces. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1996**, 14, 943		25
89	C60 manipulation and cluster formation using a scanning tunneling microscope. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1996**, 14, 1596		15
88	Creation and annihilation of positively and negatively charged excitions in GaAs quantum wells. *Surface Science*, **1996**, 361-362, 447-450	1.8	1
87	Room temperature manipulation of C60 molecules on a Si surface. *Surface Science*, **1996**, 361-362, 878-881	1.8	22
86	Sb-induced GaAs(111)B surface reconstructions: success and failure of the electron-counting rule. *Surface Science*, **1996**, 365, L663-L668	1.8	13

85	Fabrication of Si nanostructures by controlled sidewall oxidation. *Solid-State Electronics*, **1996**, 40, 265-269	1.7	
84	Resonant magnetotunneling through individual self-assembled InAs quantum dots. *Physical Review B*, **1996**, 54, 16401-16404	3.3	106
83	Passivation of Si(111)-7×7 by a C60 monolayer. *Applied Physics Letters*, **1996**, 69, 506-508	3.4	19
82	Adsorbed and substituted Sb dimers on GaAs(001). *Physical Review B*, **1996**, 53, R16148-R16151	3.3	31
81	A novel approach in fabrication and study of laterally quantum-confined resonant tunnelling diodes. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1995**, 35, 192-197	3.1	2
80	Resonant magnetotunneling via quantum confined states. *Physica B: Condensed Matter*, **1995**, 211, 423-429	1.2	
79	Resonant tunnelling through a single impurity in high magnetic fields: Probing a two-dimensional electron gas on a nanometre scale. *Physica B: Condensed Matter*, **1995**, 211, 433-436	2.8	10
78	Measuring the Probability Density of Quantum Confined States. *Physical Review Letters*, **1995**, 75, 1996-1999	7.4	53
77	Manipulation of C60 molecules on a Si surface. *Applied Physics Letters*, **1995**, 67, 1075-1077	3.4	122
76	Double chain structures on the Sb-terminated GaAs(111)B surface. *Physical Review B*, **1995**, 51, 7950-7953	3.3	17
75	Landau-level populations and slow energy relaxation of a two-dimensional electron gas probed by tunneling spectroscopy. *Physical Review B*, **1995**, 52, 4666-4669	3.3	14
74	Atomic scale modifications of GaAs using a scanning tunneling microscope. *Applied Physics Letters*, **1995**, 66, 1515-1517	3.4	6
73	Electron-concentration-dependent quantum-well luminescence: Evidence for a negatively charged exciton. *Physical Review B*, **1995**, 51, 7969-7972	3.3	145
72	Theory of resonant tunneling through a quantum wire. *Physical Review B*, **1995**, 51, 1735-1742	3.3	25
71	Effect of a parallel magnetic field on the resonant-tunneling current through a quantum wire. *Physical Review B*, **1995**, 52, 1504-1507	3.3	5
70	Cretion and annihilation of negatively charged excitons in GaAs quantum wells. *Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics*, **1995**, 17, 1395-1400		
69	Some Recent Developments in Quantum Transport in Mesoscopic Structures and Quantum Wells. *NATO ASI Series Series B: Physics*, **1995**, 227-240		
68	Resonant tunnelling quantum dots and wires: some recent problems and progress. *Semiconductor Science and Technology*, **1994**, 9, 1912-1918	1.8	2

67	Photoluminescence of donor energy levels in resonant tunnelling devices. *Semiconductor Science and Technology*, **1994**, 9, 549-551	1.8	8
66	An (AlGa)As/GaAs heterojunction bipolar transistor with a resonant-tunnelling collector. *Semiconductor Science and Technology*, **1994**, 9, 1500-1503	1.8	3
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