

# Peter Beton

## List of Publications by Citations

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246  
papers

9,798  
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54  
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91  
g-index

256  
ext. papers

10,807  
ext. citations

6  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
246	Controlling molecular deposition and layer structure with supramolecular surface assemblies. <i>Nature</i> , <b>2003</b> , 424, 1029-31	50.4	1022
245	Tuning the bandgap of exfoliated InSe nanosheets by quantum confinement. <i>Advanced Materials</i> , <b>2013</b> , 25, 5714-8	24	419
244	Vernier templating and synthesis of a 12-porphyrin nano-ring. <i>Nature</i> , <b>2011</b> , 469, 72-5	50.4	343
243	High broad-band photoresponsivity of mechanically formed InSe-graphene van der Waals heterostructures. <i>Advanced Materials</i> , <b>2015</b> , 27, 3760-6	24	252
242	Random tiling and topological defects in a two-dimensional molecular network. <i>Science</i> , <b>2008</b> , 322, 1077-81	39.5	200
241	Resonant tunneling through the bound states of a single donor atom in a quantum well. <i>Physical Review Letters</i> , <b>1992</b> , 68, 1754-1757	7.4	197
240	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
239	Templating molecular adsorption using a covalent organic framework. <i>Chemical Communications</i> , <b>2010</b> , 46, 7157-9	5.8	170
238	Assembly and Processing of Hydrogen Bond Induced Supramolecular Nanostructures. <i>Nano Letters</i> , <b>2003</b> , 3, 9-12	11.5	151
237	Fermi-edge singularity in resonant tunneling. <i>Physical Review Letters</i> , <b>1994</b> , 72, 2061-2064	7.4	148
236	Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. <i>ACS Nano</i> , <b>2018</b> , 12, 7445-7481	16.7	146
235	Electron-concentration-dependent quantum-well luminescence: Evidence for a negatively charged exciton. <i>Physical Review B</i> , <b>1995</b> , 51, 7969-7972	3.3	145
234	Surface-based supramolecular chemistry using hydrogen bonds. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 3417-27	24.3	139
233	Magnetoresistance of a two-dimensional electron gas in a strong periodic potential. <i>Physical Review B</i> , <b>1990</b> , 42, 9229-9232	3.3	130
232	Bimolecular networks and supramolecular traps on Au(111). <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 12539-42	3.4	127
231	Guest-induced growth of a surface-based supramolecular bilayer. <i>Nature Chemistry</i> , <b>2011</b> , 3, 74-8	17.6	125
230	Manipulation of C60 molecules on a Si surface. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 1075-1077	3.4	122

229	Directing two-dimensional molecular crystallization using guest templates. <i>Chemical Communications</i> , <b>2008</b> , 2304-6	5.8	119
228	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 592-597	28.7	110
227	Resonant magnetotunneling through individual self-assembled InAs quantum dots. <i>Physical Review B</i> , <b>1996</b> , 54, 16401-16404	3.3	106
226	Supramolecular assemblies formed on an epitaxial graphene superstructure. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1794-9	16.4	104
225	Surface self-assembly of the cyanuric acid-melamine hydrogen bonded network. <i>Chemical Communications</i> , <b>2006</b> , 538-40	5.8	101
224	Two-dimensional supramolecular chemistry on surfaces. <i>Chemical Science</i> , <b>2011</b> , 2, 1440	9.4	100
223	Self-assembled aggregates formed by single-molecule magnets on a gold surface. <i>Nature Communications</i> , <b>2010</b> , 1, 75	17.4	94
222	Square, hexagonal, and row phases of PTCDA and PTCDI on Ag-Si(111)square root(3) x square root(3)R30 degrees. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 12167-74	3.4	94
221	Direct band-gap crossover in epitaxial monolayer boron nitride. <i>Nature Communications</i> , <b>2019</b> , 10, 2639	17.4	93
220	Ultrafast delocalization of excitation in synthetic light-harvesting nanorings. <i>Chemical Science</i> , <b>2015</b> , 6, 181-189	9.4	90
219	Probing the wave function of quantum confined states by resonant magnetotunneling. <i>Physical Review B</i> , <b>1993</b> , 48, 5664-5667	3.3	87
218	Supramolecular nesting of cyclic polymers. <i>Nature Chemistry</i> , <b>2015</b> , 7, 317-22	17.6	85
217	Bond breaking coupled with translation in rolling of covalently bound molecules. <i>Physical Review Letters</i> , <b>2005</b> , 94, 146104	7.4	81
216	Optical anisotropy in arrow-shaped InAs quantum dots. <i>Physical Review B</i> , <b>1998</b> , 57, R6815-R6818	3.3	78
215	Identifying carbon as the source of visible single-photon emission from hexagonal boron nitride. <i>Nature Materials</i> , <b>2021</b> , 20, 321-328	27	78
214	Two Vernier-templated routes to a 24-porphyrin nanoring. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6696-9	16.4	77
213	Translation, rotation and removal of C60 on Si(100)-2 × 1 using anisotropic molecular manipulation. <i>Surface Science</i> , <b>1998</b> , 407, 27-35	1.8	75
212	Deep ultraviolet emission in hexagonal boron nitride grown by high-temperature molecular beam epitaxy. <i>2D Materials</i> , <b>2017</b> , 4, 021023	5.9	73

211	Honeycomb Networks and Chiral Superstructures Formed by Cyanuric Acid and Melamine on Au(111). <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 886-893	3.8	72
210	C60-terminated Si surfaces: Charge transfer, bonding, and chemical passivation. <i>Physical Review B</i> , <b>1998</b> , 57, 362-369	3.3	68
209	Quantum confinement and photoresponsivity of $\text{In}_2\text{Se}_3$ nanosheets grown by physical vapour transport. <i>2D Materials</i> , <b>2016</b> , 3, 025030	5.9	68
208	Formation of Monolayer Graphene by Annealing Sacrificial Nickel Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 16565-16567	3.8	64
207	Growth induced reordering of fullerene clusters trapped in a two-dimensional supramolecular network. <i>Langmuir</i> , <b>2005</b> , 21, 2038-41	4	64
206	Gated resonant tunnelling devices. <i>Electronics Letters</i> , <b>1991</b> , 27, 134	1.1	64
205	Engineering p-n junctions and bandgap tuning of InSe nanolayers by controlled oxidation. <i>2D Materials</i> , <b>2017</b> , 4, 025043	5.9	63
204	Supramolecular heterostructures formed by sequential epitaxial deposition of two-dimensional hydrogen-bonded arrays. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1191-1197	17.6	62
203	Role of interaction anisotropy in the formation and stability of molecular templates. <i>Physical Review Letters</i> , <b>2008</b> , 100, 156101	7.4	62
202	Hierarchical organisation on a two-dimensional supramolecular network. <i>ChemPhysChem</i> , <b>2007</b> , 8, 2177-81	3.1	62
201	Room Temperature Electroluminescence from Mechanically Formed van der Waals III-VI Homojunctions and Heterojunctions. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 1064-1069	8.1	61
200	Dimerization of tri(4-bromophenyl)benzene by aryl-aryl coupling from solution on a gold surface. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4220-3	16.4	59
199	The oscillatory magnetoresistance of electrons in a square superlattice potential. <i>Journal of Physics Condensed Matter</i> , <b>1989</b> , 1, 8257-8262	1.8	58
198	New nonlocal magnetoresistance effect at the crossover between the classical and quantum transport regimes. <i>Physical Review Letters</i> , <b>1991</b> , 67, 3014-3017	7.4	58
197	Supramolecular networks stabilise and functionalise black phosphorus. <i>Nature Communications</i> , <b>2017</b> , 8, 1385	17.4	57
196	Hot-electron transport in heavily doped GaAs. <i>Semiconductor Science and Technology</i> , <b>1986</b> , 1, 63-70	1.8	57
195	Functionalized supramolecular nanoporous arrays for surface templating. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 7600-7	4.8	55
194	Epitaxial growth of $\text{InSe}$ and $\text{In}_2\text{Se}_3$ and $\text{In}_2\text{Se}_3$ on $\text{GaSe}$ . <i>2D Materials</i> , <b>2018</b> , 5, 035026	5.9	55

193	Growth front nucleation of rubrene thin films for high mobility organic transistors. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 193505	3.4	54
192	Adsorption of cobalt phthalocyanine on Ag terminated Si(111). <i>Surface Science</i> , <b>1999</b> , 441, 21-25	1.8	53
191	Measuring the Probability Density of Quantum Confined States. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1996-1999	1.9	53
190	Enhancement of CO <sub>2</sub> Adsorption and Catalytic Properties by Fe-Doping of [Ga <sub>2</sub> (OH) <sub>2</sub> (L)] (H <sub>4</sub> L = Biphenyl-3,3',5,5'-tetracarboxylic Acid), MFM-300(Ga <sub>2</sub> ). <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 1076-88	5.1	52
189	Hydrogen-bonded PTCDA-melamine networks and mixed phases. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 6110-4	3.4	52
188	Double domain ordering and selective removal of C <sub>60</sub> on Ag/Si(111)(BB)R30°. <i>Physical Review B</i> , <b>1997</b> , 56, R1704-R1707	3.3	51
187	Observation of universal thermopower fluctuations. <i>Physical Review Letters</i> , <b>1990</b> , 64, 2058-2061	7.4	50
186	Ligand-Induced Control of Photoconductive Gain and Doping in a Hybrid Graphene/Quantum Dot Transistor. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500062	6.4	48
185	Conformation and packing of porphyrin polymer chains deposited using electrospray on a gold surface. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9136-9	16.4	48
184	Hexagonal Boron Nitride Tunnel Barriers Grown on Graphite by High Temperature Molecular Beam Epitaxy. <i>Scientific Reports</i> , <b>2016</b> , 6, 34474	4.9	48
183	Broken symmetry and the variation of critical properties in the phase behaviour of supramolecular rhombus tilings. <i>Nature Chemistry</i> , <b>2011</b> , 4, 112-7	17.6	47
182	Solution preparation of two-dimensional covalently linked networks by polymerization of 1,3,5-Tri(4-iodophenyl)benzene on Au(111). <i>ACS Nano</i> , <b>2013</b> , 7, 3014-21	16.7	46
181	Electrospray Deposition of C <sub>60</sub> on a Hydrogen-Bonded Supramolecular Network. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 7706-7709	3.8	46
180	Breakdown of universal scaling of conductance fluctuations in high magnetic fields. <i>Physical Review Letters</i> , <b>1992</b> , 69, 1248-1251	7.4	46
179	Electrospray deposition of fullerenes in ultra-high vacuum: in situ scanning tunneling microscopy and photoemission spectroscopy. <i>Nanotechnology</i> , <b>2007</b> , 18, 455304	3.4	45
178	Structural and optical characterization of self-assembled InAs-GaAs quantum dots grown on high index surfaces. <i>Microelectronics Journal</i> , <b>1997</b> , 28, 933-938	1.8	44
177	Experimental and theoretical identification of adenine monolayers on Ag-terminated Si(111). <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	44
176	Temperature dependence of magnetoresistance oscillations in a two-dimensional electron gas subjected to a periodic potential. <i>Physical Review B</i> , <b>1990</b> , 42, 9689-9692	3.3	42

175	Nucleation and Early Stages of Layer-by-Layer Growth of Metal Organic Frameworks on Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 23544-23551	3.8	39
174	Vernier-templated synthesis, crystal structure, and supramolecular chemistry of a 12-porphyrin nanoring. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12826-34	4.8	39
173	How does graphene grow? Easy access to well-ordered graphene films. <i>Small</i> , <b>2009</b> , 5, 2291-6	11	39
172	Tailoring pores for guest entrapment in a unimolecular surface self-assembled hydrogen bonded network. <i>Chemical Communications</i> , <b>2010</b> , 46, 2775-7	5.8	38
171	. <i>IEEE Electron Device Letters</i> , <b>1989</b> , 10, 288-290	4.4	38
170	Strain-Engineered Graphene Grown on Hexagonal Boron Nitride by Molecular Beam Epitaxy. <i>Scientific Reports</i> , <b>2016</b> , 6, 22440	4.9	36
169	High mobility organic transistors fabricated from single pentacene microcrystals grown on a polymer film. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 3108-3110	3.4	35
168	Mechanical stiffening of porphyrin nanorings through supramolecular columnar stacking. <i>Nano Letters</i> , <b>2013</b> , 13, 3391-5	11.5	34
167	Giant Quantum Hall Plateau in Graphene Coupled to an InSe van der Waals Crystal. <i>Physical Review Letters</i> , <b>2017</b> , 119, 157701	7.4	33
166	Orientationally ordered island growth of higher fullerenes on Ag/Si(111)(BB)R30°. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	33
165	van der Waals-Induced Chromatic Shifts in Hydrogen-Bonded Two-Dimensional Porphyrin Arrays on Boron Nitride. <i>ACS Nano</i> , <b>2015</b> , 9, 10347-55	16.7	32
164	Molecular random tilings as glasses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 15209-13	11.5	32
163	Van der Waals epitaxy of two-dimensional single-layer h-BN on graphite by molecular beam epitaxy: Electronic properties and band structure. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 253102	3.4	31
162	Adsorbed and substituted Sb dimers on GaAs(001). <i>Physical Review B</i> , <b>1996</b> , 53, R16148-R16151	3.3	31
161	Resonant magnetotunneling via one-dimensional quantum confined states. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1146-1149	7.4	30
160	Graphene Formation by Decomposition of C60. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7472-7476	3.8	28
159	Attractive mode manipulation of covalently bound molecules. <i>Chemical Physics Letters</i> , <b>2002</b> , 366, 300-304		28
158	Submicrometer resonant tunnelling diodes fabricated by photolithography and selective wet etching. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 1124-1126	3.4	28

157	Dianhydride-amine hydrogen bonded perylene tetracarboxylic dianhydride and tetraaminobenzene rows. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 12207-10	3.4	27
156	Zero-dimensional states in macroscopic resonant tunneling devices. <i>Applied Physics Letters</i> , <b>1994</b> , 64, 2563-2565	3.4	27
155	Room temperature manipulation of the heterofullerene C <sub>59</sub> N on Si(100)-2 $\times$ 1. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 1074-1076	3.4	26
154	Magnetic breakdown of a two-dimensional electron gas in a periodic potential. <i>Physical Review B</i> , <b>1991</b> , 43, 9980-9983	3.3	26
153	The resistance of two quantum point contacts in series. <i>Journal of Physics Condensed Matter</i> , <b>1989</b> , 1, 7505-7511	1.8	26
152	Two Vernier-Templated Routes to a 24-Porphyrin Nanoring. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6800-6803	3.6	25
151	(2 $\times$ 4)/c(2 $\times$ 8) to (4 $\times$ 4)/c(8 $\times$ ) transition on GaAs(001) surfaces. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1996</b> , 14, 943		25
150	Theory of resonant tunneling through a quantum wire. <i>Physical Review B</i> , <b>1995</b> , 51, 1735-1742	3.3	25
149	Natural optical activity as the origin of the large chiroptical properties in $\pi$ -conjugated polymer thin films. <i>Nature Communications</i> , <b>2020</b> , 11, 6137	17.4	25
148	Deposition of Fe clusters on Si surfaces. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2000</b> , 18, 2646		24
147	Edge effects in a gated submicron resonant tunneling diode. <i>Applied Physics Letters</i> , <b>1992</b> , 60, 2508-2510	3.4	24
146	Hot-electron transport in In <sub>0.53</sub> Ga <sub>0.47</sub> As. <i>Journal of Applied Physics</i> , <b>1987</b> , 62, 1842-1849	2.5	24
145	Lattice-Matched Epitaxial Graphene Grown on Boron Nitride. <i>Nano Letters</i> , <b>2018</b> , 18, 498-504	11.5	24
144	Bimolecular porous supramolecular networks deposited from solution on layered materials: graphite, boron nitride and molybdenum disulphide. <i>Chemical Communications</i> , <b>2014</b> , 50, 8882-5	5.8	23
143	Random and ordered phases of off-lattice rhombus tiles. <i>Physical Review Letters</i> , <b>2012</b> , 108, 035702	7.4	23
142	Absence of long-range ordered reconstruction on the GaAs(311)A surface. <i>Physical Review B</i> , <b>1997</b> , 55, 15397-15400	3.3	23
141	Measurement and manipulation of Mn clusters on clean and fullerene terminated Si(111)-7 $\times$ 7. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 2114-2116	3.4	23
140	Ultra-high resolution imaging of thin films and single strands of polythiophene using atomic force microscopy. <i>Nature Communications</i> , <b>2019</b> , 10, 1537	17.4	22

139	Single molecule magnets on a gold surface: in situ electrospray deposition, x-ray absorption and photoemission. <i>Nanotechnology</i> , <b>2011</b> , 22, 075704	3.4	22
138	Fractal-compact island transition and self-limiting growth of pentacene on polymers. <i>Surface Science</i> , <b>2003</b> , 537, 241-246	1.8	22
137	Room temperature manipulation of C60 molecules on a Si surface. <i>Surface Science</i> , <b>1996</b> , 361-362, 878-888	3.3	22
136	C59N Monomers: Stabilization through Immobilization. <i>Physical Review Letters</i> , <b>1999</b> , 83, 3478-3481	7.4	21
135	Observation of discrete resistance levels in large area graded gap diodes at low temperatures. <i>Applied Physics Letters</i> , <b>1986</b> , 49, 1652-1653	3.4	21
134	The use of linearly graded composition AlGaAs injectors for intervalley transfer in GaAs: theory and experiment. <i>Solid-State Electronics</i> , <b>1988</b> , 31, 613-616	1.7	21
133	Adsorbate-induced curvature and stiffening of graphene. <i>Nano Letters</i> , <b>2015</b> , 15, 159-64	11.5	20
132	Coadsorbed NTCDI-melamine mixed phases on Ag-Si(111). <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	20
131	High-temperature molecular beam epitaxy of hexagonal boron nitride layers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2018</b> , 36, 02D103	1.3	19
130	Coherent acoustic phonons in van der Waals nanolayers and heterostructures. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	19
129	Adsorption of PTCDI on Au(1 1 1): Photoemission and scanning tunnelling microscopy. <i>Surface Science</i> , <b>2009</b> , 603, 3094-3098	1.8	19
128	Passivation of Si(111)-7 $\times$ 7 by a C60 monolayer. <i>Applied Physics Letters</i> , <b>1996</b> , 69, 506-508	3.4	19
127	Organisation and ordering of 1D porphyrin polymers synthesised by on-surface Glaser coupling. <i>Chemical Communications</i> , <b>2016</b> , 52, 10342-5	5.8	18
126	Manipulation of C60 on the Si(001) surface: Experiment and theory. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	18
125	Quantum confinement in laterally squeezed resonant tunneling devices. <i>Physical Review Letters</i> , <b>1992</b> , 69, 2995	7.4	18
124	Double chain structures on the Sb-terminated GaAs(111)B surface. <i>Physical Review B</i> , <b>1995</b> , 51, 7950-7953	3.3	17
123	Substrate-induced shifts and screening in the fluorescence spectra of supramolecular adsorbed organic monolayers. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 054701	3.9	16
122	Adsorption and manipulation of endohedral and higher fullerenes on Si(100)2 $\times$ 1. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	16



121	Numerical study of nonequilibrium electron transport in AlGaAs/GaAs heterojunction bipolar transistors. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 250-252	3-4	16
120	Moiré-Modulated Conductance of Hexagonal Boron Nitride Tunnel Barriers. <i>Nano Letters</i> , <b>2018</b> , 18, 4241-4246	3-4	15
119	Entrapment of decanethiol in a hydrogen-bonded bimolecular template. <i>Langmuir</i> , <b>2009</b> , 25, 2278-81	4	15
118	C60 manipulation and cluster formation using a scanning tunneling microscope. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1996</b> , 14, 1596		15
117	High-frequency study of nonequilibrium transport in heterostructure bipolar transistors. <i>Applied Physics Letters</i> , <b>1989</b> , 55, 1789-1791	3-4	15
116	Emergent rhombus tilings from molecular interactions with M-fold rotational symmetry. <i>Physical Review Letters</i> , <b>2015</b> , 114, 115702	7-4	14
115	High-Temperature Molecular Beam Epitaxy of Hexagonal Boron Nitride with High Active Nitrogen Fluxes. <i>Materials</i> , <b>2018</b> , 11,	3-5	14
114	Common Physical Framework Explains Phase Behavior and Dynamics of Atomic, Molecular, and Polymeric Network Formers. <i>Physical Review X</i> , <b>2014</b> , 4,	9-1	14
113	Landau-level populations and slow energy relaxation of a two-dimensional electron gas probed by tunneling spectroscopy. <i>Physical Review B</i> , <b>1995</b> , 52, 4666-4669	3-3	14
112	Ballistic transmission in perpendicular quantum point contacts. <i>Physical Review B</i> , <b>1989</b> , 40, 10033-10035	3-3	14
111	High temperature MBE of graphene on sapphire and hexagonal boron nitride flakes on sapphire. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2016</b> , 34, 02L101	1-3	14
110	Resonant tunnelling into the two-dimensional subbands of InSe layers. <i>Communications Physics</i> , <b>2020</b> , 3,	5-4	13
109	Sb-induced GaAs(111)B surface reconstructions: success and failure of the electron-counting rule. <i>Surface Science</i> , <b>1996</b> , 365, L663-L668	1-8	13
108	Quantised Hall effect and magnetoresistance through a quantum point contact. <i>Journal of Physics Condensed Matter</i> , <b>1989</b> , 1, 7499-7503	1-8	13
107	An atomic carbon source for high temperature molecular beam epitaxy of graphene. <i>Scientific Reports</i> , <b>2017</b> , 7, 6598	4-9	12
106	Molecular scale alignment strategies: An investigation of Ag adsorption on patterned fullerene layers. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 2937-2939	3-4	12
105	Hot-electron injection by graded Al <sub>x</sub> Ga <sub>1-x</sub> As. <i>Electronics Letters</i> , <b>1986</b> , 22, 130	1-1	12
104	Epitaxial multilayers of alkanes on two-dimensional black phosphorus as passivating and electrically insulating nanostructures. <i>Nanoscale</i> , <b>2019</b> , 11, 17252-17261	7-7	11

103	Dynamic scanning probe microscopy of adsorbed molecules on graphite. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 043110	3.4	11
102	Digital scanning probe microscope controller for molecular manipulation applications. <i>Review of Scientific Instruments</i> , <b>2000</b> , 71, 1698-1701	1.7	11
101	Mesoscopic effects in resonant tunnelling diodes. <i>Solid-State Electronics</i> , <b>1994</b> , 37, 965-968	1.7	11
100	Ordering, flexibility and frustration in arrays of porphyrin nanorings. <i>Nature Communications</i> , <b>2019</b> , 10, 2932	17.4	10
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