

Peter Beton

List of Publications by Year in descending order

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248
papers

11,690
citations

25034

57
h-index

32842

100
g-index

256
all docs

256
docs citations

256
times ranked

11340
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Submolecular Resolution Imaging of P3HT:PCBM Nanostructured Films by Atomic Force Microscopy: Implications for Organic Solar Cells. ACS Applied Nano Materials, 2022, 5, 13794-13804. | 5.0 | 4 |
| 2 | High open-circuit voltage in transition metal dichalcogenide solar cells. Nano Energy, 2021, 79, 105427. | 16.0 | 31 |
| 3 | Identifying carbon as the source of visible single-photon emission from hexagonal boron nitride. Nature Materials, 2021, 20, 321-328. | 27.5 | 210 |
| 4 | Epitaxy of boron nitride monolayers for graphene-based lateral heterostructures. 2D Materials, 2021, 8, 034001. | 4.4 | 15 |
| 5 | Band gap measurements of monolayer h-BN and insights into carbon-related point defects. 2D Materials, 2021, 8, 044001. | 4.4 | 34 |
| 6 | Triplet Excitation and Electroluminescence from a Supramolecular Monolayer Embedded in a Boron Nitride Tunnel Barrier. Nano Letters, 2020, 20, 278-283. | 9.1 | 9 |
| 7 | Natural optical activity as the origin of the large chiroptical properties in π -conjugated polymer thin films. Nature Communications, 2020, 11, 6137. | 12.8 | 73 |
| 8 | Fluorescence and Electroluminescence of J-Aggregated Polythiophene Monolayers on Hexagonal Boron Nitride. ACS Nano, 2020, 14, 13886-13893. | 14.6 | 9 |
| 9 | Resonant tunnelling into the two-dimensional subbands of InSe layers. Communications Physics, 2020, 3, . | 5.3 | 22 |
| 10 | Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001. | 4.4 | 333 |
| 11 | Step-flow growth of graphene-boron nitride lateral heterostructures by molecular beam epitaxy. 2D Materials, 2020, 7, 035014. | 4.4 | 14 |
| 12 | Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. Nature Nanotechnology, 2020, 15, 592-597. | 31.5 | 245 |
| 13 | Epitaxial multilayers of alkanes on two-dimensional black phosphorus as passivating and electrically insulating nanostructures. Nanoscale, 2019, 11, 17252-17261. | 5.6 | 13 |
| 14 | Ordering, flexibility and frustration in arrays of porphyrin nanorings. Nature Communications, 2019, 10, 2932. | 12.8 | 16 |
| 15 | AIRBED: A Simplified Density Functional Theory Model for Physisorption on Surfaces. Journal of Chemical Theory and Computation, 2019, 15, 5628-5634. | 5.3 | 8 |
| 16 | Direct band-gap crossover in epitaxial monolayer boron nitride. Nature Communications, 2019, 10, 2639. | 12.8 | 162 |
| 17 | Two-Dimensional Diffusion of Excitons in a Perylene Diimide Monolayer Quenched by a Fullerene Heterojunction. Journal of Physical Chemistry C, 2019, 123, 12249-12254. | 3.1 | 4 |
| 18 | Ultra-high resolution imaging of thin films and single strands of polythiophene using atomic force microscopy. Nature Communications, 2019, 10, 1537. | 12.8 | 40 |

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|----|--|------|-----------|
| 19 | High-temperature molecular beam epitaxy of hexagonal boron nitride layers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, . | 1.2 | 31 |
| 20 | Lattice-Matched Epitaxial Graphene Grown on Boron Nitride. <i>Nano Letters</i> , 2018, 18, 498-504. | 9.1 | 39 |
| 21 | Adsorption of Hexacontane on Hexagonal Boron Nitride. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27575-27581. | 3.1 | 9 |
| 22 | The growth and fluorescence of phthalocyanine monolayers, thin films and multilayers on hexagonal boron nitride. <i>Chemical Communications</i> , 2018, 54, 12021-12024. | 4.1 | 12 |
| 23 | Epitaxial growth of $\sqrt{3} \times \sqrt{3}$ -InSe and $\sqrt{3} \times \sqrt{3}$, $\sqrt{3} \times \sqrt{3}$, and $\sqrt{3} \times \sqrt{3}$ -In ₂ Se ₃ on $\sqrt{3} \times \sqrt{3}$ -GaSe. <i>2D Materials</i> , 2018, 5, 035026. | 4.4 | 98 |
| 24 | Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. <i>ACS Nano</i> , 2018, 12, 7445-7481. | 14.6 | 225 |
| 25 | High-Temperature Molecular Beam Epitaxy of Hexagonal Boron Nitride with High Active Nitrogen Fluxes. <i>Materials</i> , 2018, 11, 1119. | 2.9 | 17 |
| 26 | Selection of Adlayer Patterns of 1,3-Dithia Derivatives of Ferrocene by the Nature of the Solvent. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19067-19074. | 3.1 | 6 |
| 27 | Substrate-induced shifts and screening in the fluorescence spectra of supramolecular adsorbed organic monolayers. <i>Journal of Chemical Physics</i> , 2018, 149, 054701. | 3.0 | 22 |
| 28 | Coherent acoustic phonons in van der Waals nanolayers and heterostructures. <i>Physical Review B</i> , 2018, 98, . | 3.2 | 31 |
| 29 | Moiré-Modulated Conductance of Hexagonal Boron Nitride Tunnel Barriers. <i>Nano Letters</i> , 2018, 18, 4241-4246. | 9.1 | 19 |
| 30 | 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> , 2018, 112, . | 3.3 | 50 |
| 31 | Engineering p - n junctions and bandgap tuning of InSe nanolayers by controlled oxidation. <i>2D Materials</i> , 2017, 4, 025043. | 4.4 | 76 |
| 32 | Deep ultraviolet emission in hexagonal boron nitride grown by high-temperature molecular beam epitaxy. <i>2D Materials</i> , 2017, 4, 021023. | 4.4 | 102 |
| 33 | Giant Quantum Hall Plateau in Graphene Coupled to an InSe van der Waals Crystal. <i>Physical Review Letters</i> , 2017, 119, 157701. | 7.8 | 44 |
| 34 | Probing properties of molecule-based interface systems: general discussion and Concluding Remarks. <i>Faraday Discussions</i> , 2017, 204, 503-530. | 3.2 | 0 |
| 35 | Supramolecular effects in self-assembled monolayers: general discussion. <i>Faraday Discussions</i> , 2017, 204, 123-158. | 3.2 | 2 |
| 36 | Preparing macromolecular systems on surfaces: general discussion. <i>Faraday Discussions</i> , 2017, 204, 395-418. | 3.2 | 0 |

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|----|--|------|-----------|
| 37 | Supramolecular systems at liquid–solid interfaces: general discussion. Faraday Discussions, 2017, 204, 271-295. | 3.2 | 2 |
| 38 | Supramolecular heterostructures formed by sequential epitaxial deposition of two-dimensional hydrogen-bonded arrays. Nature Chemistry, 2017, 9, 1191-1197. | 13.6 | 79 |
| 39 | An atomic carbon source for high temperature molecular beam epitaxy of graphene. Scientific Reports, 2017, 7, 6598. | 3.3 | 16 |
| 40 | Supramolecular networks stabilise and functionalise black phosphorus. Nature Communications, 2017, 8, 1385. | 12.8 | 72 |
| 41 | Naphthalocyanine Thin Films and Field Effect Transistors. Journal of Physical Chemistry C, 2016, 120, 15338-15341. | 3.1 | 5 |
| 42 | Hexagonal Boron Nitride Tunnel Barriers Grown on Graphite by High Temperature Molecular Beam Epitaxy. Scientific Reports, 2016, 6, 34474. | 3.3 | 60 |
| 43 | 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, . | 1.2 | 22 |
| 44 | Strain-Engineered Graphene Grown on Hexagonal Boron Nitride by Molecular Beam Epitaxy. Scientific Reports, 2016, 6, 22440. | 3.3 | 49 |
| 45 | Quantum confinement and photoresponsivity of In_2Se_3 nanosheets grown by physical vapour transport. 2D Materials, 2016, 3, 025030. | 4.4 | 88 |
| 46 | Organisation and ordering of 1D porphyrin polymers synthesised by on-surface Glaser coupling. Chemical Communications, 2016, 52, 10342-10345. | 4.1 | 28 |
| 47 | Enhancement of CO_2 Adsorption and Catalytic Properties by Fe-Doping of $[\text{Ga}_2(\text{OH})_2(\text{L})_4]$ (H_4L = Biphenyl-3,3',5,5'-tetracarboxylic Acid), MFM-300(Ga_2). Inorganic Chemistry, 2016, 55, 1076-1088. | 4.0 | 70 |
| 48 | High Broadband Photoresponsivity of Mechanically Formed InSe–Graphene van der Waals Heterostructures. Advanced Materials, 2015, 27, 3760-3766. | 21.0 | 320 |
| 49 | Ligand-Induced Control of Photoconductive Gain and Doping in a Hybrid Graphene–Quantum Dot Transistor. Advanced Electronic Materials, 2015, 1, 1500062. | 5.1 | 59 |
| 50 | Supramolecular nesting of cyclic polymers. Nature Chemistry, 2015, 7, 317-322. | 13.6 | 110 |
| 51 | Emergent Rhombus Tilings from Molecular Interactions with M -fold Rotational Symmetry. Physical Review Letters, 2015, 114, 115702. | 7.8 | 18 |
| 52 | Graphene-InSe-graphene van der Waals heterostructures. Journal of Physics: Conference Series, 2015, 647, 012001. | 0.4 | 11 |
| 53 | Nucleation and Early Stages of Layer-by-Layer Growth of Metal Organic Frameworks on Surfaces. Journal of Physical Chemistry C, 2015, 119, 23544-23551. | 3.1 | 49 |
| 54 | van der Waals-Induced Chromatic Shifts in Hydrogen-Bonded Two-Dimensional Porphyrin Arrays on Boron Nitride. ACS Nano, 2015, 9, 10347-10355. | 14.6 | 40 |

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|----|---|------|-----------|
| 55 | Ultrafast delocalization of excitation in synthetic light-harvesting nanorings. <i>Chemical Science</i> , 2015, 6, 181-189. | 7.4 | 101 |
| 56 | Adsorbate-Induced Curvature and Stiffening of Graphene. <i>Nano Letters</i> , 2015, 15, 159-164. | 9.1 | 24 |
| 57 | Fullerenes as adhesive layers for mechanical peeling of metallic, molecular and polymer thin films. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 394-401. | 2.8 | 7 |
| 58 | Room Temperature Electroluminescence from Mechanically Formed van der Waals III-VI Homojunctions and Heterojunctions. <i>Advanced Optical Materials</i> , 2014, 2, 1064-1069. | 7.3 | 71 |
| 59 | Common Physical Framework Explains Phase Behavior and Dynamics of Atomic, Molecular, and Polymeric Network Formers. <i>Physical Review X</i> , 2014, 4, . | 8.9 | 16 |
| 60 | Porous macromolecular dihydropyridyl frameworks exhibiting catalytic and halochromic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19889-19896. | 10.3 | 4 |
| 61 | Bimolecular porous supramolecular networks deposited from solution on layered materials: graphite, boron nitride and molybdenum disulphide. <i>Chemical Communications</i> , 2014, 50, 8882-8885. | 4.1 | 23 |
| 62 | Height dependent molecular trapping in stacked cyclic porphyrin nanorings. <i>Chemical Communications</i> , 2014, 50, 7332-7335. | 4.1 | 9 |
| 63 | Surface-Based Supramolecular Chemistry Using Hydrogen Bonds. <i>Accounts of Chemical Research</i> , 2014, 47, 3417-3427. | 15.6 | 161 |
| 64 | Vernier-Templated Synthesis, Crystal Structure, and Supramolecular Chemistry of a 12-Porphyrin Nanoring. <i>Chemistry - A European Journal</i> , 2014, 20, 12826-12834. | 3.3 | 46 |
| 65 | Tuning the Bandgap of Exfoliated InSe Nanosheets by Quantum Confinement. <i>Advanced Materials</i> , 2013, 25, 5714-5718. | 21.0 | 512 |
| 66 | 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> , 2013, 7, 3014-3021. | 14.6 | 50 |
| 67 | Mechanical Stiffening of Porphyrin Nanorings through Supramolecular Columnar Stacking. <i>Nano Letters</i> , 2013, 13, 3391-3395. | 9.1 | 34 |
| 68 | Packing of Isophthalate Tetracarboxylic Acids on Au(111): Rows and Disordered Herringbone Structures. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18381-18385. | 3.1 | 13 |
| 69 | Random and Ordered Phases of Off-Lattice Rhombus Tiles. <i>Physical Review Letters</i> , 2012, 108, 035702. | 7.8 | 28 |
| 70 | Broken symmetry and the variation of critical properties in the phase behaviour of supramolecular rhombus tilings. <i>Nature Chemistry</i> , 2012, 4, 112-117. | 13.6 | 60 |
| 71 | Two Vernier-Templated Routes to a 24-Porphyrin Nanoring. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6696-6699. | 13.8 | 87 |
| 72 | Dimerization of Tri(4-bromophenyl)benzene by Aryl-Aryl Coupling from Solution on a Gold Surface. <i>Journal of the American Chemical Society</i> , 2011, 133, 4220-4223. | 13.7 | 63 |

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|----|---|------|-----------|
| 73 | Single molecule magnets on a gold surface: <i>in situ</i> electro spray deposition, x-ray absorption and photoemission. <i>Nanotechnology</i> , 2011, 22, 075704. | 2.6 | 24 |
| 74 | Two-dimensional supramolecular chemistry on surfaces. <i>Chemical Science</i> , 2011, 2, 1440. | 7.4 | 108 |
| 75 | Guest-induced growth of a surface-based supramolecular bilayer. <i>Nature Chemistry</i> , 2011, 3, 74-78. | 13.6 | 142 |
| 76 | Vernier templating and synthesis of a 12-porphyrin nano-ring. <i>Nature</i> , 2011, 469, 72-75. | 27.8 | 393 |
| 77 | Graphene Formation by Decomposition of C ₆₀ . <i>Journal of Physical Chemistry C</i> , 2011, 115, 7472-7476. | 3.1 | 29 |
| 78 | A novel tripod-driven platform for in-situ positioning of samples and electrical probes in a TEM. <i>Journal of Physics: Conference Series</i> , 2010, 241, 012057. | 0.4 | 1 |
| 79 | Supramolecular Assemblies Formed on an Epitaxial Graphene Superstructure. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1794-1799. | 13.8 | 108 |
| 80 | Conformation and Packing of Porphyrin Polymer Chains Deposited Using Electro spray on a Gold Surface. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9136-9139. | 13.8 | 50 |
| 81 | Templating molecular adsorption using a covalent organic framework. <i>Chemical Communications</i> , 2010, 46, 7157. | 4.1 | 183 |
| 82 | Above-barrier surface electron resonances induced by a molecular network. <i>Physical Review B</i> , 2010, 81, . | 3.2 | 6 |
| 83 | Solubilized Derivatives of Perylenetetracarboxylic Dianhydride (PTCDA) Adsorbed on Highly Oriented Pyrolytic Graphite. <i>Langmuir</i> , 2010, 26, 3972-3974. | 3.5 | 7 |
| 84 | Entropically stabilized growth of a two-dimensional random tiling. <i>Physical Review E</i> , 2010, 82, 041109. | 2.1 | 7 |
| 85 | Self-assembled aggregates formed by single-molecule magnets on a gold surface. <i>Nature Communications</i> , 2010, 1, 75. | 12.8 | 105 |
| 86 | Tailoring pores for guest entrapment in a unimolecular surface self-assembled hydrogen bonded network. <i>Chemical Communications</i> , 2010, 46, 2775. | 4.1 | 39 |
| 87 | Dynamic scanning probe microscopy of adsorbed molecules on graphite. <i>Applied Physics Letters</i> , 2009, 94, 043110. | 3.3 | 12 |
| 88 | Molecular random tilings as glasses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15209-15213. | 7.1 | 33 |
| 89 | How Does Graphene Grow? Easy Access to Well-Ordered Graphene Films. <i>Small</i> , 2009, 5, 2291-2296. | 10.0 | 40 |
| 90 | Adsorption of PTCDA on Au(111): Photoemission and scanning tunnelling microscopy. <i>Surface Science</i> , 2009, 603, 3094-3098. | 1.9 | 20 |

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|-----|---|------|-----------|
| 91 | Entrapment of Decanethiol in a Hydrogen-Bonded Bimolecular Template. <i>Langmuir</i> , 2009, 25, 2278-2281. | 3.5 | 16 |
| 92 | Formation of Monolayer Graphene by Annealing Sacrificial Nickel Thin Films. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16565-16567. | 3.1 | 68 |
| 93 | Constrained Molecular Manipulation Mediated by Attractive and Repulsive Tip-Adsorbate Forces. <i>Small</i> , 2008, 4, 765-769. | 10.0 | 7 |
| 94 | Functionalized Supramolecular Nanoporous Arrays for Surface Templating. <i>Chemistry - A European Journal</i> , 2008, 14, 7600-7607. | 3.3 | 58 |
| 95 | Role of Interaction Anisotropy in the Formation and Stability of Molecular Templates. <i>Physical Review Letters</i> , 2008, 100, 156101. | 7.8 | 66 |
| 96 | Directing two-dimensional molecular crystallization using guest templates. <i>Chemical Communications</i> , 2008, , 2304. | 4.1 | 129 |
| 97 | Electrospray Deposition of C60 on a Hydrogen-Bonded Supramolecular Network. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7706-7709. | 3.1 | 48 |
| 98 | A compact combined ultrahigh vacuum scanning tunnelling microscope (UHV STM) and near-field optical microscope. <i>Measurement Science and Technology</i> , 2008, 19, 045301. | 2.6 | 5 |
| 99 | Random Tiling and Topological Defects in a Two-Dimensional Molecular Network. <i>Science</i> , 2008, 322, 1077-1081. | 12.6 | 224 |
| 100 | Coadsorbed NTCDI-melamine mixed phases on Ag-Si(111). <i>Physical Review B</i> , 2007, 76, . | 3.2 | 22 |
| 101 | Electrospray deposition of fullerenes in ultra-high vacuum: in situ scanning tunneling microscopy and photoemission spectroscopy. <i>Nanotechnology</i> , 2007, 18, 455304. | 2.6 | 50 |
| 102 | Honeycomb Networks and Chiral Superstructures Formed by Cyanuric Acid and Melamine on Au(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 886-893. | 3.1 | 79 |
| 103 | Growth front nucleation of rubrene thin films for high mobility organic transistors. <i>Applied Physics Letters</i> , 2007, 91, . | 3.3 | 58 |
| 104 | Hierarchical Organisation on a Two-Dimensional Supramolecular Network. <i>ChemPhysChem</i> , 2007, 8, 2177-2181. | 2.1 | 66 |
| 105 | Bimolecular Networks and Supramolecular Traps on Au(111). <i>Journal of Physical Chemistry B</i> , 2006, 110, 12539-12542. | 2.6 | 136 |
| 106 | Hydrogen-Bonded PTCDA-Melamine Networks and Mixed Phases. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6110-6114. | 2.6 | 56 |
| 107 | Dianhydride-Amine Hydrogen Bonded Perylene Tetracarboxylic Dianhydride and Tetraaminobenzene Rows. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12207-12210. | 2.6 | 27 |
| 108 | Surface self-assembly of the cyanuric acid-melamine hydrogen bonded network. <i>Chemical Communications</i> , 2006, , 538-540. | 4.1 | 114 |

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|-----|--|------|-----------|
| 109 | Lateral translation of covalently bound fullerenes. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S1837-S1846. | 1.8 | 2 |
| 110 | Kinetic Instabilities in the Growth of One Dimensional Molecular Nanostructures. <i>Physical Review Letters</i> , 2006, 97, 236102. | 7.8 | 11 |
| 111 | Manipulation of C ₆₀ on the Si(001) surface: Experiment and theory. <i>Physical Review B</i> , 2006, 74, . | 3.2 | 19 |
| 112 | Experimental and theoretical identification of adenine monolayers on Ag-terminated Si(111). <i>Physical Review B</i> , 2006, 73, . | 3.2 | 46 |
| 113 | Bond Breaking Coupled with Translation in Rolling of Covalently Bound Molecules. <i>Physical Review Letters</i> , 2005, 94, 146104. | 7.8 | 85 |
| 114 | Square, Hexagonal, and Row Phases of PTCDA and PTCDI on Ag/Si(111) $\sqrt{3} \times \sqrt{3}$. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12167-12174. | 2.6 | 98 |
| 115 | Growth Induced Reordering of Fullerene Clusters Trapped in a Two-Dimensional Supramolecular Network. <i>Langmuir</i> , 2005, 21, 2038-2041. | 3.5 | 69 |
| 116 | Fractal-compact island transition and self-limiting growth of pentacene on polymers. <i>Surface Science</i> , 2003, 537, 241-246. | 1.9 | 24 |
| 117 | Controlling molecular deposition and layer structure with supramolecular surface assemblies. <i>Nature</i> , 2003, 424, 1029-1031. | 27.8 | 1,076 |
| 118 | Assembly and Processing of Hydrogen Bond Induced Supramolecular Nanostructures. <i>Nano Letters</i> , 2003, 3, 9-12. | 9.1 | 162 |
| 119 | High mobility organic transistors fabricated from single pentacene microcrystals grown on a polymer film. <i>Applied Physics Letters</i> , 2003, 83, 3108-3110. | 3.3 | 38 |
| 120 | Adsorption and manipulation of endohedral and higher fullerenes on Si(100) $\sqrt{2} \times \sqrt{2}$. <i>Physical Review B</i> , 2003, 67, . | 3.2 | 19 |
| 121 | Competing interactions of noble metals and fullerenes with the Si(111) $\sqrt{7} \times \sqrt{7}$ surface. <i>Journal of Chemical Physics</i> , 2003, 119, 13046-13052. | 3.0 | 10 |
| 122 | Attractive mode manipulation of covalently bound molecules. <i>Chemical Physics Letters</i> , 2002, 366, 300-304. | 2.6 | 31 |
| 123 | Orientationally ordered island growth of higher fullerenes on Ag/Si(111) $\sqrt{3} \times \sqrt{3}$. <i>Physical Review B</i> , 2001, 64, . | 3.2 | 34 |
| 124 | Atomic scale protection using fullerene encapsulation. <i>Applied Physics Letters</i> , 2001, 78, 126-128. | 3.3 | 3 |
| 125 | Chemisorption of azafullerene on silicon: isolating C ₅₉ N monomers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 74, 202-205. | 3.5 | 5 |
| 126 | Growth and modification of Ag islands on hydrogen terminated Si(100) surfaces. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000, 18, 13. | 1.6 | 9 |

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|-----|---|-----|-----------|
| 127 | 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. | 1.6 | 29 |
| 128 | Digital scanning probe microscope controller for molecular manipulation applications. Review of Scientific Instruments, 2000, 71, 1698-1701. | 1.3 | 12 |
| 129 | Doping of covalently bound fullerene monolayers: Ag clusters on C60/Si(111). Applied Physics Letters, 2000, 77, 1144-1146. | 3.3 | 10 |
| 130 | C59N on silicon surfaces: monomers, dimers and multilayers. , 1999, , . | | 0 |
| 131 | C59N Monomers: Stabilization through Immobilization. Physical Review Letters, 1999, 83, 3478-3481. | 7.8 | 24 |
| 132 | Room temperature manipulation of the heterofullerene C59N on Si(100)-2 \times 1. Applied Physics Letters, 1999, 75, 1074-1076. | 3.3 | 27 |
| 133 | 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 |
| 134 | Oscillations in the valence-band photoemission spectrum of the heterofullerene C59N:A photoelectron interference phenomenon. Physical Review B, 1999, 59, 9834-9837. | 3.2 | 7 |
| 135 | Adsorption of cobalt phthalocyanine on Ag terminated Si(111). Surface Science, 1999, 441, 21-25. | 1.9 | 57 |
| 136 | Novel characteristics of self assembled InAs quantum dots grown on (311)A GaAs. Microelectronic Engineering, 1998, 43-44, 45-49. | 2.4 | 0 |
| 137 | C60 adsorption on the Si(110)-(16 \times 2) surface. Surface Science, 1998, 397, 421-425. | 1.9 | 10 |
| 138 | Reconstruction dependent adsorption of C60 on GaAs(111)B. Surface Science, 1998, 405, 21-26. | 1.9 | 8 |
| 139 | Translation, rotation and removal of C60 on Si(100)-2 \times 1 using anisotropic molecular manipulation. Surface Science, 1998, 407, 27-35. | 1.9 | 76 |
| 140 | Functionalized fullerenes on silicon surfaces. Surface Science, 1998, 405, L526-L531. | 1.9 | 8 |
| 141 | Optical anisotropy in arrow-shaped InAs quantum dots. Physical Review B, 1998, 57, R6815-R6818. | 3.2 | 80 |
| 142 | A self-assembled InAs quantum dot used as a quantum microscope looking into a two-dimensional electron gas. Physics-Uspekhi, 1998, 41, 122-125. | 2.2 | 13 |
| 143 | Probing the interactions of on Si(100)- using anisotropic molecular manipulation. Semiconductor Science and Technology, 1998, 13, A47-A50. | 2.0 | 1 |
| 144 | C60-terminated Si surfaces: Charge transfer, bonding, and chemical passivation. Physical Review B, 1998, 57, 362-369. | 3.2 | 69 |

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|-----|--|-----|-----------|
| 145 | Molecular scale alignment strategies: An investigation of Ag adsorption on patterned fullerene layers. Applied Physics Letters, 1997, 71, 2937-2939. | 3.3 | 12 |
| 146 | Disorder-Order Ripening of C ₆₀ Islands. Physical Review Letters, 1997, 78, 2588-2591. | 7.8 | 10 |
| 147 | Nanometer scale patterning of C ₆₀ multilayers using molecular manipulation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 1478-1481. | 2.1 | 8 |
| 148 | Double domain ordering and selective removal of C ₆₀ on Ag/Si(111)-7 \times 7. Physical Review B, 1997, 56, R1704-R1707. | 3.2 | 53 |
| 149 | Absence of long-range ordered reconstruction on the GaAs(311)A surface. Physical Review B, 1997, 55, 15397-15400. | 3.2 | 24 |
| 150 | Investigation and Manipulation of C ₆₀ on a Si Surface Using a Scanning Tunneling Microscope. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 769-780. | 0.6 | 1 |
| 151 | Measurement and manipulation of Mn clusters on clean and fullerene terminated Si(111)-7 \times 7. Applied Physics Letters, 1997, 70, 2114-2116. | 3.3 | 25 |
| 152 | Structural and optical characterization of self-assembled InAs-GaAs quantum dots grown on high index surfaces. Microelectronics Journal, 1997, 28, 933-938. | 2.0 | 45 |
| 153 | Resonant magnetotunneling through individual self-assembled InAs quantum dots. Superlattices and Microstructures, 1997, 21, 255-258. | 3.1 | 8 |
| 154 | MBE growth and magnetotunneling transport properties of a single GaAs/AlAs/GaAs barrier incorporating InAs quantum dots. Journal of Crystal Growth, 1997, 175-176, 782-786. | 1.5 | 0 |
| 155 | Creation and annihilation of positively and negatively charged excitons in GaAs quantum wells. Surface Science, 1996, 361-362, 447-450. | 1.9 | 1 |
| 156 | Room temperature manipulation of C ₆₀ molecules on a Si surface. Surface Science, 1996, 361-362, 878-881. | 1.9 | 25 |
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