

G Andrew D Briggs

List of Publications by Year in descending order

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348
papers

15,160
citations

19608

61
h-index

26548

107
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366
all docs

366
docs citations

366
times ranked

13450
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic and Shear Moduli of Single-Walled Carbon Nanotube Ropes. <i>Physical Review Letters</i> , 1999, 82, 944-947.	2.9	1,352
2	Elastic Modulus of Ordered and Disordered Multiwalled Carbon Nanotubes. <i>Advanced Materials</i> , 1999, 11, 161-165.	11.1	454
3	High-Cooperativity Coupling of Electron-Spin Ensembles to Superconducting Cavities. <i>Physical Review Letters</i> , 2010, 105, 140501.	2.9	398
4	Molecules in Carbon Nanotubes. <i>Accounts of Chemical Research</i> , 2005, 38, 901-909.	7.6	312
5	Nanomechanics of Microtubules. <i>Physical Review Letters</i> , 2002, 89, 248101.	2.9	309
6	How does a tip tap?. <i>Nanotechnology</i> , 1997, 8, 67-75.	1.3	264
7	Diameter-selective encapsulation of metallocenes in single-walled carbon nanotubes. <i>Nature Materials</i> , 2005, 4, 481-485.	13.3	245
8	Direct Imaging of Rotational Stacking Faults in Few Layer Graphene. <i>Nano Letters</i> , 2009, 9, 102-106.	4.5	225
9	Magnetic Field Sensing Beyond the Standard Quantum Limit Using 10-Spin NOON States. <i>Science</i> , 2009, 324, 1166-1168.	6.0	214
10	Quantum Computing with an Electron Spin Ensemble. <i>Physical Review Letters</i> , 2009, 103, 070502.	2.9	206
11	Structural transformations in graphene studied with high spatial and temporal resolution. <i>Nature Nanotechnology</i> , 2009, 4, 500-504.	15.6	203
12	Bangâ€“bang control of fullerene qubits using ultrafast phase gates. <i>Nature Physics</i> , 2006, 2, 40-43.	6.5	174
13	Violation of a Leggettâ€“Garg inequality with ideal non-invasive measurements. <i>Nature Communications</i> , 2012, 3, 606.	5.8	172
14	Optical schemes for quantum computation in quantum dot molecules. <i>Physical Review B</i> , 2003, 68, .	1.1	161
15	Defect Structure of Nonstoichiometric CeO ₂ (111) Surfaces Studied by Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 1997, 79, 4222-4225.	2.9	156
16	Storage of Multiple Coherent Microwave Excitations in an Electron Spin Ensemble. <i>Physical Review Letters</i> , 2010, 105, 140503.	2.9	156
17	Observation of Ordered Phases of Fullerenes in Carbon Nanotubes. <i>Physical Review Letters</i> , 2004, 92, 245507.	2.9	148
18	Imaging the Elastic Nanostructure of Ge Islands by Ultrasonic Force Microscopy. <i>Physical Review Letters</i> , 1998, 81, 1046-1049.	2.9	139

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19	Towards a fullerene-based quantum computer. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S867-S883.	0.7	138
20	Nanosubharmonics: The Dynamics of Small Nonlinear Contacts. <i>Physical Review Letters</i> , 1995, 74, 5092-5095.	2.9	137
21	InGaN quantum dots grown by metalorganic vapor phase epitaxy employing a post-growth nitrogen anneal. <i>Applied Physics Letters</i> , 2003, 83, 755-757.	1.5	137
22	Heterodyne force microscopy of PMMA/rubber nanocomposites: nanomapping of viscoelastic response at ultrasonic frequencies. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 2347-2355.	1.3	136
23	Surface Glass Transition Temperature of Amorphous Polymers. A New Insight with SFM. <i>Macromolecules</i> , 2002, 35, 6613-6622.	2.2	134
24	Adsorption, Abstraction, and Pairing of Atomic Hydrogen on Si(100)-(2 \times 1). <i>Physical Review Letters</i> , 1995, 74, 2074-2077.	2.9	130
25	Surface states on NiO (100) and the origin of the contrast reversal in atomically resolved scanning tunneling microscope images. <i>Physical Review B</i> , 1997, 56, 4900-4908.	1.1	129
26	A Cyclic Porphyrin Trimer as a Receptor for Fullerenes. <i>Organic Letters</i> , 2010, 12, 3544-3547.	2.4	124
27	Nucleation of "Hut" Pits and Clusters during Gas-Source Molecular-Beam Epitaxy of Ge/Si(001) in Situ Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 1997, 78, 3959-3962.	2.9	122
28	Melamine Structures on the Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11476-11480.	1.5	122
29	Chemical reactions inside single-walled carbon nano test-tubes. <i>Chemical Communications</i> , 2005, , 37.	2.2	118
30	The effect of surface topography on the adhesion of elastic solids. <i>Journal Physics D: Applied Physics</i> , 1977, 10, 2453-2466.	1.3	115
31	Elastic quantum transport through small structures. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 2389-2406.	0.7	113
32	Coherence of spin qubits in silicon. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S783-S794.	0.7	107
33	Growth modes in heteroepitaxy of InGaN on GaN. <i>Journal of Applied Physics</i> , 2005, 97, 013707.	1.1	105
34	Electron spin relaxation of N@C60 in CS2. <i>Journal of Chemical Physics</i> , 2006, 124, 014508.	1.2	99
35	Conductance enlargement in picoscale electroburnt graphene nanojunctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2658-2663.	3.3	98
36	Graphene-porphyrin single-molecule transistors. <i>Nanoscale</i> , 2015, 7, 13181-13185.	2.8	97

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37	Ultrasound induced lubricity in microscopic contact. Applied Physics Letters, 1997, 71, 1177-1179.	1.5	95
38	Atomically perfect bismuth lines on Si(001). Physical Review B, 1999, 59, 14868-14871.	1.1	95
39	Atom-resolved imaging and spectroscopy on the GaAs(001) surface using tunneling microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1992, 10, 1881.	1.6	94
40	Redox-Dependent Franck-Condon Blockade and Avalanche Transport in a Graphene Fullerene Single-Molecule Transistor. Nano Letters, 2016, 16, 170-176.	4.5	93
41	Low temperature assembly of fullerene arrays in single-walled carbon nanotubes using supercritical fluids. Journal of Materials Chemistry, 2004, 14, 2852.	6.7	89
42	Selective host-guest interaction of single-walled carbon nanotubes with functionalised fullerenes. Chemical Communications, 2004, , 176-177.	2.2	85
43	Atomic-resolution STM of a system with strongly correlated electrons: NiO(001) surface structure and defect sites. Physical Review B, 1997, 55, 7859-7863.	1.1	83
44	Investigating the Diameter-Dependent Stability of Single-Walled Carbon Nanotubes. ACS Nano, 2009, 3, 1557-1563.	7.3	82
45	Scanning tunneling microscopy studies of C_{60} on Au(111). Physical Review B, 2009, 80, .	1.1	81
46	Measurements of stiff-material compliance on the nanoscale using ultrasonic force microscopy. Physical Review B, 2000, 61, 13995-14006.	1.1	79
47	High Fidelity Single Qubit Operations Using Pulsed Electron Paramagnetic Resonance. Physical Review Letters, 2005, 95, 200501.	2.9	77
48	Opening up three quantum boxes causes classically undetectable wavefunction collapse. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3777-3781.	3.3	77
49	Anticrossings in Fano-coupled quantum dots. Physical Review B, 2005, 71, .	1.1	76
50	Competing growth mechanisms of Ge/Si(001) coherent clusters. Physical Review B, 1997, 56, 10459-10468.	1.1	72
51	Ultralow Secondary Electron Emission of Graphene. ACS Nano, 2011, 5, 1047-1055.	7.3	72
52	Equilibrium Model of Bimodal Distributions of Epitaxial Island Growth. Physical Review Letters, 2003, 90, 146101.	2.9	71
53	Quantum Interference in Graphene Nanoconstrictions. Nano Letters, 2016, 16, 4210-4216.	4.5	70
54	Spontaneous Formation of Ordered Lateral Patterns in Polymer Thin-Film Structures. Advanced Functional Materials, 2004, 14, 1081-1088.	7.8	69

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55	Molecular Motion of Endohedral Fullerenes in Single-Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1386-1389.	7.2	68
56	Nanoscale control of graphene electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20398-20401.	1.3	67
57	Role of Interaction Anisotropy in the Formation and Stability of Molecular Templates. <i>Physical Review Letters</i> , 2008, 100, 156101.	2.9	66
58	Hydrogen diffusion on Si(001). <i>Physical Review B</i> , 1996, 54, 14153-14157.	1.1	65
59	Controlled orientation of ellipsoidal fullerene C70 in carbon nanotubes. <i>Applied Physics Letters</i> , 2004, 84, 792-794.	1.5	63
60	Beyond Marcus theory and the Landauer-Büttiker approach in molecular junctions: A unified framework. <i>Journal of Chemical Physics</i> , 2018, 149, 154112.	1.2	63
61	Unexpected differences in the surface electronic structure of NiO and CoO observed by STM and explained by first-principles theory. <i>Physical Review B</i> , 1999, 59, 7342-7345.	1.1	62
62	Mapping surface elastic properties of stiff and compliant materials on the nanoscale using ultrasonic force microscopy. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2000, 80, 2299-2323.	0.8	62
63	Resolving strain in carbon nanotubes at the atomic level. <i>Nature Materials</i> , 2011, 10, 958-962.	13.3	61
64	Field-Effect Control of Graphene-Fullerene Thermoelectric Nanodevices. <i>Nano Letters</i> , 2017, 17, 7055-7061.	4.5	61
65	Nanometer-scale mechanical imaging of aluminum damascene interconnect structures in a low-dielectric-constant polymer. <i>Journal of Applied Physics</i> , 2002, 91, 4549-4555.	1.1	59
66	Environmental effects on electron spin relaxation in $N @ C_{60}$. <i>Physical Review B</i> , 2007, 76, .	1.1	59
67	Temporal variation in photoluminescence from single InGaN quantum dots. <i>Applied Physics Letters</i> , 2004, 84, 4110-4112.	1.5	58
68	A chiral pinwheel supramolecular network driven by the assembly of PTCDI and melamine. <i>Chemical Communications</i> , 2008, , 1907.	2.2	58
69	Rotating Fullerene Chains in Carbon Nanopeapods. <i>Nano Letters</i> , 2008, 8, 2328-2335.	4.5	57
70	H-Bonding Supramolecular Assemblies of PTCDI Molecules on the Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21840-21848.	1.5	56
71	Growth and characterization of high-density mats of single-walled carbon nanotubes for interconnects. <i>Applied Physics Letters</i> , 2008, 93, 163111.	1.5	55
72	A coherent nanomechanical oscillator driven by single-electron tunnelling. <i>Nature Physics</i> , 2020, 16, 75-82.	6.5	55

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73	Experimental and theoretical analysis of H-bonded supramolecular assemblies of PTCDA molecules. <i>Physical Review B</i> , 2010, 81, .	1.1	53
74	Quantitative acoustic microscopy of individual living human cells. <i>Journal of Microscopy</i> , 1993, 172, 3-12.	0.8	52
75	Nanoscale solid-state quantum computing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 1473-1485.	1.6	52
76	Anchor Groups for Grapheneâ€Porphyrin Singleâ€Molecule Transistors. <i>Advanced Functional Materials</i> , 2018, 28, 1803629.	7.8	52
77	The elastic microstructure of various tissues. <i>Journal of the Acoustical Society of America</i> , 1989, 85, 416-422.	0.5	51
78	Discrete hopping model of exciton transport in disordered media. <i>Physical Review B</i> , 2005, 72, .	1.1	51
79	Toward Controlled Spacing in One-Dimensional Molecular Chains:Â Alkyl-Chain-Functionalized Fullerenes in Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 8609-8614.	6.6	51
80	Understanding resonant charge transport through weakly coupled single-molecule junctions. <i>Nature Communications</i> , 2019, 10, 4628.	5.8	51
81	Nucleation and growth of GaNâˆAlN quantum dots. <i>Physical Review B</i> , 2004, 70, .	1.1	50
82	Quantum-confined Stark effect in a single InGaN quantum dot under a lateral electric field. <i>Applied Physics Letters</i> , 2005, 86, 213103.	1.5	50
83	Pairs and heptamers of C70 molecules ordered via PTCDI-melamine supramolecular networks. <i>Applied Physics Letters</i> , 2007, 91, 253109.	1.5	50
84	Time-resolved dynamics in single InGaN quantum dots. <i>Applied Physics Letters</i> , 2003, 83, 2674-2676.	1.5	49
85	Efficient Dynamic Nuclear Polarization at High Magnetic Fields. <i>Physical Review Letters</i> , 2007, 98, 220501.	2.9	49
86	Selective Spin Coupling through a Single Exciton. <i>Physical Review Letters</i> , 2004, 93, 150502.	2.9	48
87	Dynamics of Paramagnetic Metallofullerenes in Carbon Nanotube Peapods. <i>Nano Letters</i> , 2008, 8, 1005-1010.	4.5	48
88	Distinguishing Lead and Molecule States in Graphene-Based Single-Electron Transistors. <i>ACS Nano</i> , 2017, 11, 5325-5331.	7.3	48
89	Surface Brillouin Scatteringâ€Extending Surface Wave Measurements to 20 GHz. , 1995, , 249-300.		48
90	Reactive deposition epitaxy of CoSi2 nanostructures on Si(001):â€fNucleation and growth and evolution of dots during anneal. <i>Physical Review B</i> , 1999, 60, 4800-4809.	1.1	46

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91	Deriving molecular bonding from a macromolecular self-assembly using kinetic Monte Carlo simulations. <i>Physical Review B</i> , 2008, 77, .	1.1	46
92	Geometrically Enhanced Thermoelectric Effects in Graphene Nanoconstrictions. <i>Nano Letters</i> , 2018, 18, 7719-7725.	4.5	46
93	Functionalized Fullerenes in Self-Assembled Monolayers. <i>Langmuir</i> , 2011, 27, 10977-10985.	1.6	45
94	Surface structure and bonding in the strongly correlated metal oxides NiO and UO ₂ . <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1998, 16, 1055-1058.	0.9	44
95	Measuring errors in single-qubit rotations by pulsed electron paramagnetic resonance. <i>Physical Review A</i> , 2005, 71, .	1.0	44
96	Atomic Resolution Imaging of the Edges of Catalytically Etched Suspended Few-Layer Graphene. <i>ACS Nano</i> , 2011, 5, 1975-1983.	7.3	44
97	Sensitive Radio-Frequency Measurements of a Quantum Dot by Tuning to Perfect Impedance Matching. <i>Physical Review Applied</i> , 2016, 5, .	1.5	44
98	Arsenic-deficient GaAs(001)-(2 \bar{A} -4) surfaces: Scanning-tunneling-microscopy evidence for locally disordered (1 \bar{A} -2) Ga regions. <i>Physical Review B</i> , 1994, 50, 8098-8101.	1.1	43
99	Diameter-Dependent Elastic Modulus Supports the Metastable-Catalyst Growth of Carbon Nanotubes. <i>Nano Letters</i> , 2007, 7, 1598-1602.	4.5	43
100	Quantum sensors based on weak-value amplification cannot overcome decoherence. <i>Physical Review A</i> , 2013, 87, .	1.0	43
101	Imaging of spheres with the confocal scanning optical microscope. <i>Optics Letters</i> , 1996, 21, 1800.	1.7	42
102	Intricate Hydrogen-Bonded Networks: Binary and Ternary Combinations of Uracil, PTCDI, and Melamine. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5859-5866.	1.5	42
103	Machine learning enables completely automatic tuning of a quantum device faster than human experts. <i>Nature Communications</i> , 2020, 11, 4161.	5.8	42
104	Effect of surface roughness on rolling friction and adhesion between elastic solids. <i>Nature</i> , 1976, 260, 313-315.	13.7	41
105	Purification by HPLC and the UV/Vis absorption spectra of the nitrogen-containing incar-fullerenes iNC60, and iNC70. <i>Chemical Communications</i> , 2004, , 210.	2.2	40
106	Epitaxial ordering of a perylenetetracarboxylic diimide-melamine supramolecular network driven by the Au(111)-(22 \bar{A} -3) reconstruction. <i>Applied Physics Letters</i> , 2008, 92, 023102.	1.5	40
107	Pauli spin blockade in carbon nanotube double quantum dots. <i>Physical Review B</i> , 2008, 77, .	1.1	40
108	Transport Spectroscopy of an Impurity Spin in a Carbon Nanotube Double Quantum Dot. <i>Physical Review Letters</i> , 2011, 106, 206801.	2.9	40

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109	Chemistry at the Nanoscale: Synthesis of an N@C ₆₀ –N@C ₆₀ Endohedral Fullerene Dimer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3587-3590.	7.2	40
110	Scaling Limits of Graphene Nanoelectrodes. <i>Nano Letters</i> , 2017, 17, 3688-3693.	4.5	40
111	Frequency dependence of tissue attenuation measured by acoustic microscopy. <i>Journal of the Acoustical Society of America</i> , 1989, 85, 2194-2201.	0.5	39
112	Scanning tunneling microscopy of the UO ₂ (111) surface. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996, 14, 966.	1.6	39
113	Nonlinear dynamics of intermittent-contact mode atomic force microscopy. <i>Physical Review B</i> , 1997, 55, 14899-14908.	1.1	39
114	Monte Carlo Simulation of Growth of Porous SiO ₂ by Vapor Deposition. <i>Physical Review Letters</i> , 2001, 86, 3052-3055.	2.9	39
115	Measurement of debonding in cracked nanocomposite films by ultrasonic force microscopy. <i>Applied Physics Letters</i> , 2002, 80, 1180-1182.	1.5	39
116	Efficiently measuring a quantum device using machine learning. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	39
117	Acoustic properties of proton-exchanged LiNbO ₃ studied using the acoustic microscopy V(z) technique. <i>Journal of Applied Physics</i> , 1986, 60, 2517-2522.	1.1	38
118	Elastic mapping of heterogeneous nanostructures with ultrasonic force microscopy (UFM). <i>Surface and Interface Analysis</i> , 1999, 27, 562-567.	0.8	38
119	Waveguide ultrasonic force microscopy at 60 MHz. <i>Applied Physics Letters</i> , 2000, 76, 1836-1838.	1.5	38
120	Two-photon absorption from single InGaN/GaN quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 32, 119-122.	1.3	38
121	Photoisomerization of a Fullerene Dimer. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2802-2804.	1.5	38
122	One-Dimensional Confined Motion of Single Metal Atoms inside Double-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2009, 102, 195504.	2.9	38
123	Strong Coupling of Microwave Photons to Antiferromagnetic Fluctuations in an Organic Magnet. <i>Physical Review Letters</i> , 2017, 119, 147701.	2.9	38
124	Entanglement between static and flying qubits in a semiconducting carbon nanotube. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S851-S866.	0.7	37
125	The elastic properties of ion-implanted silicon. <i>Journal of Materials Science</i> , 1986, 21, 1828-1836.	1.7	36
126	Non-destructive testing and acoustic microscopy of diffusion bonds. <i>Journal of Materials Science</i> , 1983, 18, 2345-2353.	1.7	35

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127	Nucleation and growth of gas barrier aluminium oxide on surfaces of poly(ethylene terephthalate) and polypropylene: effects of the polymer surface properties. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 3151-3162.	2.4	35
128	Creating excitonic entanglement in quantum dots through the optical Stark effect. Physical Review A, 2004, 70, .	1.0	35
129	Electron spin coherence in metallofullerenes: Y, Sc, and La@C_{82} . Physical Review Letters, 2004, 93, 157401.	1.1	35
130	Coherent State Transfer between an Electron and Nuclear Spin in $\text{N}^{15}\text{C}_{60}$. Physical Review Letters, 2011, 106, 110504.	2.9	34
131	$\text{N}^{15}\text{C}_{60}$ as a Qubit: A Dyad of Two Radical Centers. Journal of the American Chemical Society, 2012, 134, 1938-1941.	6.6	34
132	Formation Mechanism for a Hybrid Supramolecular Network Involving Cooperative Interactions. Physical Review Letters, 2012, 108, 176103.	2.9	34
133	Surface response of a fluid-loaded solid to impulsive line and point forces: Application to scanning acoustic microscopy. Physical Review B, 1998, 58, 1601-1612.	1.1	32
134	Diffusion of paired hydrogen on Si(001). Physical Review B, 1998, 57, 8790-8793.	1.1	32
135	Registration of single quantum dots using cryogenic laser photolithography. Applied Physics Letters, 2006, 88, 193106.	1.5	32
136	Resonant Optomechanics with a Vibrating Carbon Nanotube and a Radio-Frequency Cavity. Physical Review Letters, 2016, 117, 170801.	2.9	32
137	One dimensional transport in silicon nanowire junction-less field effect transistors. Scientific Reports, 2017, 7, 3004.	1.6	31
138	The $\text{N}^{15}\text{C}_{60}$ nuclear spin qubit: Bang-bang decoupling and ultrafast phase gates. Physica Status Solidi (B): Basic Research, 2006, 243, 3028-3031.	0.7	30
139	How rubber grips and slips Schallamach waves and the friction of elastomers. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1978, 38, 387-399.	0.8	29
140	Electron Paramagnetic Resonance Investigation of Purified Catalyst-free Single-Walled Carbon Nanotubes. ACS Nano, 2010, 4, 7708-7716.	7.3	29
141	High-Performance Field Effect Transistors from Solution Processed Carbon Nanotubes. ACS Nano, 2010, 4, 6659-6664.	7.3	29
142	Probing the Dipolar Coupling in a Heterospin Endohedral Fullerene $\text{N}^{15}\text{C}_{60}$. Journal of the American Chemical Society, 2016, 138, 1313-1319.	6.6	29
143	The effects of a pyrrolidine functional group on the magnetic properties of $\text{N}^{15}\text{C}_{60}$. Chemical Physics Letters, 2006, 432, 523-527.	1.2	28
144	A two-step approach to the synthesis of $\text{N}^{15}\text{C}_{60}$ fullerene dimers for molecular qubits. Chemical Science, 2013, 4, 2971.	3.7	28

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145	An experimental-theoretical study of the behaviour of hydrogen on the Si(001) surface. Journal of Physics Condensed Matter, 2000, 12, 7655-7670.	0.7	27
146	Modeling spin interactions in carbon peapods using a hybrid density functional theory. Physical Review B, 2008, 77, .	1.1	27
147	Vibrational effects in charge transport through a molecular double quantum dot. Physical Review B, 2017, 95, .	1.1	27
148	Acoustic microscopy of ceramic-fibre composites. Journal of Materials Science, 1993, 28, 3635-3644.	1.7	26
149	Measuring the Thermodynamic Cost of Timekeeping. Physical Review X, 2021, 11, .	2.8	26
150	Chemisorption of organic adsorbates on silicon and gold studied by scanning tunnelling microscopy. Faraday Discussions, 1992, 94, 199.	1.6	25
151	Anomalous behaviour of leaky surface waves for stiffening layer near cutoff. Journal of Applied Physics, 1997, 82, 1031-1035.	1.1	25
152	Study of the coating/substrate interface by scanning acoustic microscopy Cathodic disbonding of epoxy-polyamide lacquer from mild steel. Faraday Discussions, 1997, 107, 417-424.	1.6	25
153	Determination of density and elastic constants of a thin phosphoric acid-anodized oxide film by acoustic microscopy. Journal of the Acoustical Society of America, 1999, 106, 2560-2567.	0.5	25
154	The influence of ammonia on the growth mode in InGaN/GaN heteroepitaxy. Journal of Crystal Growth, 2004, 272, 393-399.	0.7	25
155	PL, magneto-PL and PLE of the trimetallic nitride template fullerene Er ₃ N@C ₈₀ . Physica Status Solidi (B): Basic Research, 2006, 243, 3037-3041.	0.7	25
156	Capturing the Motion of Molecular Nanomaterials Encapsulated within Carbon Nanotubes with Ultrahigh Temporal Resolution. ACS Nano, 2009, 3, 3037-3044.	7.3	25
157	Influence of HCl on the chemical vapor deposition and etching of Ge islands on Si(001). Applied Physics Letters, 1998, 73, 1862-1864.	1.5	24
158	Nonlinear detection of ultrasonic vibration of AFM cantilevers in and out of contact with the sample. Nanotechnology, 2001, 12, 53-59.	1.3	24
159	Hyperfine structure of Sc@C ₈₂ from ESR and DFT. Nanotechnology, 2005, 16, 2469-2473.	1.3	24
160	Quantum computing with spin qubits interacting through delocalized excitons: Overcoming hole mixing. Physical Review B, 2005, 72, .	1.1	24
161	Bandgap modulation of narrow-gap carbon nanotubes in a transverse electric field. Europhysics Letters, 2006, 73, 759-764.	0.7	24
162	Characterization of surface damage via surface acoustic waves. Nanotechnology, 1996, 7, 295-301.	1.3	23

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163	Surface wave dispersion beyond cutoff for a fast layer on a slow substrate. Applied Physics Letters, 1998, 72, 856-857.	1.5	23
164	A new mechanism for electron spin echo envelope modulation. Journal of Chemical Physics, 2005, 122, 174504.	1.2	23
165	Determination of the Thermal Stability of the Fullerene Dimers C120, C1200, and C12002. Journal of Physical Chemistry B, 2006, 110, 16979-16981.	1.2	23
166	Atomic Scale Growth Dynamics of Nanocrystals within Carbon Nanotubes. ACS Nano, 2011, 5, 1410-1417.	7.3	23
167	How fine a surface crack can you see in a scanning acoustic microscope?. Journal of Microscopy, 1990, 159, 15-32.	0.8	22
168	In situ observation of gas-source molecular beam epitaxy of silicon and germanium on Si(001). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 1938-1943.	0.9	22
169	Surface studies of phase formation in Co/Ge system: Reactive deposition epitaxy versus solid-phase epitaxy. Journal of Materials Research, 2001, 16, 744-752.	1.2	22
170	Encapsulation and IR Probing of Cube-Shaped Octasilasesquioxane H8Si8O12 in Carbon Nanotubes. Angewandte Chemie - International Edition, 2006, 45, 5188-5191.	7.2	22
171	Ultrahigh secondary electron emission of carbon nanotubes. Applied Physics Letters, 2010, 96, .	1.5	22
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