

# G Andrew D Briggs

## List of Publications by Citations

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343  
papers

13,221  
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57  
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100  
g-index

366  
ext. papers

14,234  
ext. citations

6  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
343	Elastic and Shear Moduli of Single-Walled Carbon Nanotube Ropes. <i>Physical Review Letters</i> , <b>1999</b> , 82, 944-947	7.4	1225
342	Elastic Modulus of Ordered and Disordered Multiwalled Carbon Nanotubes. <i>Advanced Materials</i> , <b>1999</b> , 11, 161-165	24	413
341	High-cooperativity coupling of electron-spin ensembles to superconducting cavities. <i>Physical Review Letters</i> , <b>2010</b> , 105, 140501	7.4	334
340	Molecules in carbon nanotubes. <i>Accounts of Chemical Research</i> , <b>2005</b> , 38, 901-9	24.3	281
339	Nanomechanics of microtubules. <i>Physical Review Letters</i> , <b>2002</b> , 89, 248101	7.4	276
338	How does a tip tap?. <i>Nanotechnology</i> , <b>1997</b> , 8, 67-75	3.4	248
337	Diameter-selective encapsulation of metallocenes in single-walled carbon nanotubes. <i>Nature Materials</i> , <b>2005</b> , 4, 481-5	27	223
336	Direct imaging of rotational stacking faults in few layer graphene. <i>Nano Letters</i> , <b>2009</b> , 9, 102-6	11.5	204
335	Structural transformations in graphene studied with high spatial and temporal resolution. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 500-4	28.7	191
334	Quantum computing with an electron spin ensemble. <i>Physical Review Letters</i> , <b>2009</b> , 103, 070502	7.4	181
333	Magnetic field sensing beyond the standard quantum limit using 10-spin NOON states. <i>Science</i> , <b>2009</b> , 324, 1166-8	33.3	181
332	BangBang control of fullerene qubits using ultrafast phase gates. <i>Nature Physics</i> , <b>2006</b> , 2, 40-43	16.2	158
331	Defect Structure of Nonstoichiometric CeO <sub>2</sub> (111) Surfaces Studied by Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , <b>1997</b> , 79, 4222-4225	7.4	142
330	Storage of multiple coherent microwave excitations in an electron spin ensemble. <i>Physical Review Letters</i> , <b>2010</b> , 105, 140503	7.4	135
329	Observation of ordered phases of fullerenes in carbon nanotubes. <i>Physical Review Letters</i> , <b>2004</b> , 92, 245507	50.7	135
328	Optical schemes for quantum computation in quantum dot molecules. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	133
327	Imaging the Elastic Nanostructure of Ge Islands by Ultrasonic Force Microscopy. <i>Physical Review Letters</i> , <b>1998</b> , 81, 1046-1049	7.4	132

326	Violation of a Leggett-Garg inequality with ideal non-invasive measurements. <i>Nature Communications</i> , <b>2012</b> , 3, 606	17.4	127
325	Surface Glass Transition Temperature of Amorphous Polymers. A New Insight with SFM. <i>Macromolecules</i> , <b>2002</b> , 35, 6613-6622	5.5	127
324	InGaN quantum dots grown by metalorganic vapor phase epitaxy employing a post-growth nitrogen anneal. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 755-757	3.4	126
323	Adsorption, abstraction, and pairing of atomic hydrogen on Si(100)-(2 x 1). <i>Physical Review Letters</i> , <b>1995</b> , 74, 2074-2077	7.4	123
322	Surface states on NiO (100) and the origin of the contrast reversal in atomically resolved scanning tunneling microscope images. <i>Physical Review B</i> , <b>1997</b> , 56, 4900-4908	3.3	119
321	Heterodyne force microscopy of PMMA/rubber nanocomposites: nanomapping of viscoelastic response at ultrasonic frequencies. <i>Journal Physics D: Applied Physics</i> , <b>2000</b> , 33, 2347-2355	3	118
320	Nanosubharmonics: The dynamics of small nonlinear contacts. <i>Physical Review Letters</i> , <b>1995</b> , 74, 5092-5095	7.4	117
319	Towards a fullerene-based quantum computer. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, S867-S883	1.8	116
318	Nucleation of "Hut" Pits and Clusters during Gas-Source Molecular-Beam Epitaxy of Ge/Si(001) in In Situ Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3959-3962	7.4	115
317	A cyclic porphyrin trimer as a receptor for fullerenes. <i>Organic Letters</i> , <b>2010</b> , 12, 3544-7	6.2	112
316	Chemical reactions inside single-walled carbon nano test-tubes. <i>Chemical Communications</i> , <b>2005</b> , 37-9	5.8	109
315	Elastic quantum transport through small structures. <i>Journal of Physics Condensed Matter</i> , <b>1993</b> , 5, 2389-2406	2.6	108
314	Melamine Structures on the Au(111) Surface. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 11476-11480	3.8	106
313	The effect of surface topography on the adhesion of elastic solids. <i>Journal Physics D: Applied Physics</i> , <b>1977</b> , 10, 2453-2466	3	103
312	Coherence of spin qubits in silicon. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, S783-S794	1.8	97
311	Growth modes in heteroepitaxy of InGaN on GaN. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 013707	2.5	93
310	Atom-resolved imaging and spectroscopy on the GaAs(001) surface using tunneling microscopy. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1992</b> , 10, 1881		91
309	Electron spin relaxation of N@C60 in CS2 in CS2. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 14508	3.9	88

308	Ultrasound induced lubricity in microscopic contact. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 1177-1179	3.4	85
307	Atomically perfect bismuth lines on Si(001). <i>Physical Review B</i> , <b>1999</b> , 59, 14868-14871	3.3	84
306	Conductance enlargement in picoscale electroburnt graphene nanojunctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2658-63	11.5	81
305	Graphene-porphyrin single-molecule transistors. <i>Nanoscale</i> , <b>2015</b> , 7, 13181-5	7.7	78
304	Low temperature assembly of fullerene arrays in single-walled carbon nanotubes using supercritical fluids. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 2852		78
303	Investigating the diameter-dependent stability of single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2009</b> , 3, 1557-63	16.7	76
302	Atomic-resolution STM of a system with strongly correlated electrons: NiO(001) surface structure and defect sites. <i>Physical Review B</i> , <b>1997</b> , 55, 7859-7863	3.3	75
301	Selective host-guest interaction of single-walled carbon nanotubes with functionalised fullerenes. <i>Chemical Communications</i> , <b>2004</b> , 176-7	5.8	73
300	Measurements of stiff-material compliance on the nanoscale using ultrasonic force microscopy. <i>Physical Review B</i> , <b>2000</b> , 61, 13995-14006	3.3	72
299	Redox-Dependent Franck-Condon Blockade and Avalanche Transport in a Graphene-Fullerene Single-Molecule Transistor. <i>Nano Letters</i> , <b>2016</b> , 16, 170-6	11.5	71
298	Scanning tunneling microscopy studies of C60 monolayers on Au(111). <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	70
297	Competing growth mechanisms of Ge/Si(001) coherent clusters. <i>Physical Review B</i> , <b>1997</b> , 56, 10459-10463		68
296	High fidelity single qubit operations using pulsed electron paramagnetic resonance. <i>Physical Review Letters</i> , <b>2005</b> , 95, 200501	7.4	68
295	Equilibrium model of bimodal distributions of epitaxial island growth. <i>Physical Review Letters</i> , <b>2003</b> , 90, 146101	7.4	68
294	Anticrossings in Föster coupled quantum dots. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	67
293	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
292	Hydrogen diffusion on Si(001). <i>Physical Review B</i> , <b>1996</b> , 54, 14153-14157	3.3	62
291	Opening up three quantum boxes causes classically undetectable wavefunction collapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 3777-81	11.5	60

290	Molecular motion of endohedral fullerenes in single-walled carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 1386-9	16.4	60
289	Spontaneous Formation of Ordered Lateral Patterns in Polymer Thin-Film Structures. <i>Advanced Functional Materials</i> , <b>2004</b> , 14, 1081-1088	15.6	60
288	Controlled orientation of ellipsoidal fullerene C70 in carbon nanotubes. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 792-794	3.4	58
287	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> , <b>1999</b> , 59, 7342-7345	3.3	58
286	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> , <b>2000</b> , 80, 2299-2323		57
285	Resolving strain in carbon nanotubes at the atomic level. <i>Nature Materials</i> , <b>2011</b> , 10, 958-62	27	55
284	Ultralow secondary electron emission of graphene. <i>ACS Nano</i> , <b>2011</b> , 5, 1047-55	16.7	54
283	Rotating fullerene chains in carbon nanopeapods. <i>Nano Letters</i> , <b>2008</b> , 8, 2328-35	11.5	54
282	A chiral pinwheel supramolecular network driven by the assembly of PTCDI and melamine. <i>Chemical Communications</i> , <b>2008</b> , 1907-9	5.8	54
281	Nanoscale control of graphene electrodes. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 20398-401	3.6	53
280	Growth and characterization of high-density mats of single-walled carbon nanotubes for interconnects. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 163111	3.4	53
279	Environmental effects on electron spin relaxation in N@C60. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	53
278	Temporal variation in photoluminescence from single InGaN quantum dots. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 4110-4112	3.4	52
277	H-Bonding Supramolecular Assemblies of PTCDI Molecules on the Au(111) Surface. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 21840-21848	3.8	51
276	Nanometer-scale mechanical imaging of aluminum damascene interconnect structures in a low-dielectric-constant polymer. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 4549-4555	2.5	51
275	Quantum Interference in Graphene Nanoconstrictions. <i>Nano Letters</i> , <b>2016</b> , 16, 4210-6	11.5	48
274	Experimental and theoretical analysis of H-bonded supramolecular assemblies of PTCD A molecules. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	48
273	Time-resolved dynamics in single InGaN quantum dots. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2674-2676	3.4	48

272	Pairs and heptamers of C70 molecules ordered via PTCDI-melamine supramolecular networks. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 253109	3-4	46
271	Selective spin coupling through a single exciton. <i>Physical Review Letters</i> , <b>2004</b> , 93, 150502	7-4	46
270	Nanoscale solid-state quantum computing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2003</b> , 361, 1473-85	3	46
269	Quantum-confined Stark effect in a single InGaN quantum dot under a lateral electric field. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 213103	3-4	45
268	Deriving molecular bonding from a macromolecular self-assembly using kinetic Monte Carlo simulations. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	44
267	Efficient dynamic nuclear polarization at high magnetic fields. <i>Physical Review Letters</i> , <b>2007</b> , 98, 220501	7-4	44
266	Toward controlled spacing in one-dimensional molecular chains: alkyl-chain-functionalized fullerenes in carbon nanotubes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8609-14	16.4	43
265	Discrete hopping model of exciton transport in disordered media. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	43
264	Beyond Marcus theory and the Landauer-Buttiker approach in molecular junctions: A unified framework. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 154112	3-9	43
263	Functionalized fullerenes in self-assembled monolayers. <i>Langmuir</i> , <b>2011</b> , 27, 10977-85	4	42
262	Atomic resolution imaging of the edges of catalytically etched suspended few-layer graphene. <i>ACS Nano</i> , <b>2011</b> , 5, 1975-83	16.7	42
261	Dynamics of paramagnetic metallofullerenes in carbon nanotube peapods. <i>Nano Letters</i> , <b>2008</b> , 8, 1005-1015	11.5	42
260	Reactive deposition epitaxy of CoSi <sub>2</sub> nanostructures on Si(001): Nucleation and growth and evolution of dots during anneal. <i>Physical Review B</i> , <b>1999</b> , 60, 4800-4809	3-3	42
259	Field-Effect Control of Graphene-Fullerene Thermoelectric Nanodevices. <i>Nano Letters</i> , <b>2017</b> , 17, 7055-7061	15	41
258	Nucleation and growth of GaN/AlN quantum dots. <i>Physical Review B</i> , <b>2004</b> , 70,	3-3	41
257	Quantitative acoustic microscopy of individual living human cells. <i>Journal of Microscopy</i> , <b>1993</b> , 172, 3-12	1.9	41
256	Arsenic-deficient GaAs(001)-(2 x 4) surfaces: Scanning-tunneling-microscopy evidence for locally disordered (1 x 2) Ga regions. <i>Physical Review B</i> , <b>1994</b> , 50, 8098-8101	3-3	41
255	The elastic microstructure of various tissues. <i>Journal of the Acoustical Society of America</i> , <b>1989</b> , 85, 416-222	22.2	41

254	Quantum sensors based on weak-value amplification cannot overcome decoherence. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	40
253	Pauli spin blockade in carbon nanotube double quantum dots. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	40
252	Diameter-dependent elastic modulus supports the metastable-catalyst growth of carbon nanotubes. <i>Nano Letters</i> , <b>2007</b> , 7, 1598-602	11.5	40
251	Purification by HPLC and the UV/Vis absorption spectra of the nitrogen-containing incar-fullerenes iNC60, and iNC70. <i>Chemical Communications</i> , <b>2004</b> , 210-1	5.8	39
250	Measuring errors in single-qubit rotations by pulsed electron paramagnetic resonance. <i>Physical Review A</i> , <b>2005</b> , 71,	2.6	39
249	Intricate Hydrogen-Bonded Networks: Binary and Ternary Combinations of Uracil, PTCDI, and Melamine. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 5859-5866	3.8	38
248	Transport spectroscopy of an impurity spin in a carbon nanotube double quantum dot. <i>Physical Review Letters</i> , <b>2011</b> , 106, 206801	7.4	38
247	Epitaxial ordering of a perylenetetracarboxylic diimide-melamine supramolecular network driven by the Au(111)-(22 $\sqrt{3}$ ) reconstruction. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 023102	3.4	38
246	Two-photon absorption from single InGaN/GaN quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2006</b> , 32, 119-122	3	38
245	Surface structure and bonding in the strongly correlated metal oxides NiO and UO <sub>2</sub> . <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1998</b> , 16, 1055-1058	2.9	38
244	Chemistry at the nanoscale: synthesis of an N@C <sub>60</sub> -N@C <sub>60</sub> endohedral fullerene dimer. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3587-90	16.4	37
243	Surface Brillouin Scattering Extending Surface Wave Measurements to 20 GHz <b>1995</b> , 249-300		37
242	Distinguishing Lead and Molecule States in Graphene-Based Single-Electron Transistors. <i>ACS Nano</i> , <b>2017</b> , 11, 5325-5331	16.7	36
241	Photoisomerization of a Fullerene Dimer. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 2802-2804	3.8	36
240	Scaling Limits of Graphene Nanoelectrodes. <i>Nano Letters</i> , <b>2017</b> , 17, 3688-3693	11.5	35
239	Sensitive Radio-Frequency Measurements of a Quantum Dot by Tuning to Perfect Impedance Matching. <i>Physical Review Applied</i> , <b>2016</b> , 5,	4.3	35
238	Entanglement between static and flying qubits in a semiconducting carbon nanotube. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, S851-S866	1.8	35
237	Measurement of debonding in cracked nanocomposite films by ultrasonic force microscopy. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 1180-1182	3.4	35

236	Anchor Groups for Graphene-Porphyrin Single-Molecule Transistors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803629	15.6	35
235	Scanning tunneling microscopy of the UO <sub>2</sub> (111) surface. <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, 966		34
234	Nonlinear dynamics of intermittent-contact mode atomic force microscopy. <i>Physical Review B</i> , <b>1997</b> , 55, 14899-14908	3.3	34
233	Monte Carlo simulation of growth of porous SiO <sub>x</sub> by vapor deposition. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3052-5	7.4	34
232	Elastic mapping of heterogeneous nanostructures with ultrasonic force microscopy (UFM). <i>Surface and Interface Analysis</i> , <b>1999</b> , 27, 562-567	1.5	34
231	Formation mechanism for a hybrid supramolecular network involving cooperative interactions. <i>Physical Review Letters</i> , <b>2012</b> , 108, 176103	7.4	33
230	Nucleation and growth of gas barrier aluminium oxide on surfaces of poly(ethylene terephthalate) and polypropylene: effects of the polymer surface properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2000</b> , 38, 3151-3162	2.6	33
229	Acoustic properties of proton-exchanged LiNbO <sub>3</sub> studied using the acoustic microscopy V(z) technique. <i>Journal of Applied Physics</i> , <b>1986</b> , 60, 2517-2522	2.5	33
228	One-dimensional confined motion of single metal atoms inside double-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2009</b> , 102, 195504	7.4	32
227	Waveguide ultrasonic force microscopy at 60 MHz. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 1836-1838	3.4	32
226	Imaging of spheres with the confocal scanning optical microscope. <i>Optics Letters</i> , <b>1996</b> , 21, 1800-2	3	32
225	Non-destructive testing and acoustic microscopy of diffusion bonds. <i>Journal of Materials Science</i> , <b>1983</b> , 18, 2345-2353	4.3	32
224	Effect of surface roughness on rolling friction and adhesion between elastic solids. <i>Nature</i> , <b>1976</b> , 260, 313-315	50.4	32
223	N@C <sub>60</sub> -porphyrin: a dyad of two radical centers. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1938-41	16.4	31
222	Electron spin coherence in metallofullerenes: Y, Sc, and La@C <sub>82</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	31
221	Diffusion of paired hydrogen on Si(001). <i>Physical Review B</i> , <b>1998</b> , 57, 8790-8793	3.3	31
220	Frequency dependence of tissue attenuation measured by acoustic microscopy. <i>Journal of the Acoustical Society of America</i> , <b>1989</b> , 85, 2194-201	2.2	31
219	The elastic properties of ion-implanted silicon. <i>Journal of Materials Science</i> , <b>1986</b> , 21, 1828-1836	4.3	31



218	Coherent state transfer between an electron and nuclear spin in (15)N@C(60). <i>Physical Review Letters</i> , <b>2011</b> , 106, 110504	7.4	30
217	Surface response of a fluid-loaded solid to impulsive line and point forces: Application to scanning acoustic microscopy. <i>Physical Review B</i> , <b>1998</b> , 58, 1601-1612	3.3	30
216	Creating excitonic entanglement in quantum dots through the optical Stark effect. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	30
215	Geometrically Enhanced Thermoelectric Effects in Graphene Nanoconstrictions. <i>Nano Letters</i> , <b>2018</b> , 18, 7719-7725	11.5	30
214	Registration of single quantum dots using cryogenic laser photolithography. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 193106	3.4	29
213	The N@C60 nuclear spin qubit: Bang-bang decoupling and ultrafast phase gates. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3028-3031	1.3	29
212	The effects of a pyrrolidine functional group on the magnetic properties of N@C60. <i>Chemical Physics Letters</i> , <b>2006</b> , 432, 523-527	2.5	28
211	A two-step approach to the synthesis of N@C60 fullerene dimers for molecular qubits. <i>Chemical Science</i> , <b>2013</b> , 4, 2971	9.4	27
210	Modeling spin interactions in carbon peapods using a hybrid density functional theory. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	27
209	An experimental-theoretical study of the behaviour of hydrogen on the Si(001) surface. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 7655-7670	1.8	27
208	Electron paramagnetic resonance investigation of purified catalyst-free single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 7708-16	16.7	26
207	How rubber grips and slips Schallamach waves and the friction of elastomers. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1978</b> , 38, 387-399		26
206	Strong Coupling of Microwave Photons to Antiferromagnetic Fluctuations in an Organic Magnet. <i>Physical Review Letters</i> , <b>2017</b> , 119, 147701	7.4	25
205	Vibrational effects in charge transport through a molecular double quantum dot. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	25
204	Probing the Dipolar Coupling in a Heterospin Endohedral Fullerene-Phthalocyanine Dyad. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1313-9	16.4	25
203	Chemisorption of organic adsorbates on silicon and gold studied by scanning tunnelling microscopy. <i>Faraday Discussions</i> , <b>1992</b> , 94, 199	3.6	25
202	One dimensional transport in silicon nanowire junction-less field effect transistors. <i>Scientific Reports</i> , <b>2017</b> , 7, 3004	4.9	24
201	High-performance field effect transistors from solution processed carbon nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 6659-64	16.7	24

200	Capturing the motion of molecular nanomaterials encapsulated within carbon nanotubes with ultrahigh temporal resolution. <i>ACS Nano</i> , <b>2009</b> , 3, 3037-44	16.7	24
199	Study of the coating/substrate interface by scanning acoustic microscopy Cathodic disbonding of epoxy-polyamide lacquer from mild steel. <i>Faraday Discussions</i> , <b>1997</b> , 107, 417-424	3.6	24
198	Determination of density and elastic constants of a thin phosphoric acid-anodized oxide film by acoustic microscopy. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 106, 2560-2567	2.2	24
197	A coherent nanomechanical oscillator driven by single-electron tunnelling. <i>Nature Physics</i> , <b>2020</b> , 16, 75-82	26.2	24
196	Resonant Optomechanics with a Vibrating Carbon Nanotube and a Radio-Frequency Cavity. <i>Physical Review Letters</i> , <b>2016</b> , 117, 170801	7.4	23
195	Understanding resonant charge transport through weakly coupled single-molecule junctions. <i>Nature Communications</i> , <b>2019</b> , 10, 4628	17.4	23
194	Bandgap modulation of narrow-gap carbon nanotubes in a transverse electric field. <i>Europhysics Letters</i> , <b>2006</b> , 73, 759-764	1.6	23
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