

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
g-index

366
all docs

366
docs citations

366
times ranked

13450
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of Quantum Level Addressability and Geometric Phase Manipulation in Aligned Endohedral Fullerene Qu d its. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115263.	7.2	13
2	Implementation of Quantum Level Addressability and Geometric Phase Manipulation in Aligned Endohedral Fullerene Qu d its. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
3	Statistical signature of electrobreakdown in graphene nanojunctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	1
4	Experimental evidence of disorder enhanced electron-phonon scattering in graphene devices. <i>Carbon</i> , 2021, 178, 632-639.	5.4	7
5	Charge transport through extended molecular wires with strongly correlated electrons. <i>Chemical Science</i> , 2021, 12, 11121-11129.	3.7	8
6	Measuring the Thermodynamic Cost of Timekeeping. <i>Physical Review X</i> , 2021, 11, .	2.8	26
7	Circuit Quantum Electrodynamics with Carbon-Nanotube-Based Superconducting Quantum Circuits. <i>Physical Review Applied</i> , 2021, 15, .	1.5	16
8	Deep reinforcement learning for efficient measurement of quantum devices. <i>Npj Quantum Information</i> , 2021, 7, .	2.8	18
9	Radio-frequency characterization of a supercurrent transistor made of a carbon nanotube. <i>Materials for Quantum Technology</i> , 2021, 1, 035003.	1.2	0
10	Eight Oxford Questions: Quantum Mechanics Under a New Light. <i>Fundamental Theories of Physics</i> , 2021, , 361-384.	0.1	0
11	A coherent nanomechanical oscillator driven by single-electron tunnelling. <i>Nature Physics</i> , 2020, 16, 75-82.	6.5	55
12	Large amplitude charge noise and random telegraph fluctuations in room-temperature graphene single-electron transistors. <i>Nanoscale</i> , 2020, 12, 871-876.	2.8	13
13	Machine learning enables completely automatic tuning of a quantum device faster than human experts. <i>Nature Communications</i> , 2020, 11, 4161.	5.8	42
14	Sensitive radiofrequency readout of quantum dots using an ultra-low-noise SQUID amplifier. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	15
15	Radio-frequency optomechanical characterization of a silicon nitride drum. <i>Scientific Reports</i> , 2020, 10, 1654.	1.6	10
16	Quantum device fine-tuning using unsupervised embedding learning. <i>New Journal of Physics</i> , 2020, 22, 095003.	1.2	15
17	Role of metallic leads and electronic degeneracies in thermoelectric power generation in quantum dots. <i>Physical Review Research</i> , 2020, 2, .	1.3	12
18	Charge-state assignment of nanoscale single-electron transistors from their current-voltage characteristics. <i>Nanoscale</i> , 2019, 11, 14820-14827.	2.8	15

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19	Understanding resonant charge transport through weakly coupled single-molecule junctions. <i>Nature Communications</i> , 2019, 10, 4628.	5.8	51
20	Efficiently measuring a quantum device using machine learning. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	39
21	Atomic Scale Imaging of Reversible Ring Cyclization in Graphene Nanoconstrictions. <i>ACS Nano</i> , 2019, 13, 2379-2388.	7.3	3
22	Metal Atom Markers for Imaging Epitaxial Molecular Self-Assembly on Graphene by Scanning Transmission Electron Microscopy. <i>ACS Nano</i> , 2019, 13, 7252-7260.	7.3	13
23	Spiro-Conjugated Molecular Junctions: Between Jahn-Teller Distortion and Destructive Quantum Interference. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1859-1865.	2.1	13
24	Seeing opportunity in every difficulty: protecting information with weak value techniques. <i>Quantum Studies: Mathematics and Foundations</i> , 2018, 5, 505-517.	0.4	1
25	Geometrically Enhanced Thermoelectric Effects in Graphene Nanoconstrictions. <i>Nano Letters</i> , 2018, 18, 7719-7725.	4.5	46
26	Quantum interference in silicon one-dimensional junctionless nanowire field-effect transistors. <i>Physical Review B</i> , 2018, 98, .	1.1	5
27	Measuring carbon nanotube vibrations using a single-electron transistor as a fast linear amplifier. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	8
28	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
29	Anchor Groups for Graphene-Porphyrin Single-Molecule Transistors. <i>Advanced Functional Materials</i> , 2018, 28, 1803629.	7.8	52
30	Distance Measurement of a Noncovalently Bound Y@C ₈₂ Pair with Double Electron Electron Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 7420-7424.	6.6	8
31	Low-Frequency Noise in Graphene Tunnel Junctions. <i>ACS Nano</i> , 2018, 12, 9451-9460.	7.3	22
32	Common methods for the preparation of clean A- and B-type GaN surfaces assessed by STM, RHEED and XPS. , 2018, , 329-332.		0
33	Distinguishing Lead and Molecule States in Graphene-Based Single-Electron Transistors. <i>ACS Nano</i> , 2017, 11, 5325-5331.	7.3	48
34	Scaling Limits of Graphene Nanoelectrodes. <i>Nano Letters</i> , 2017, 17, 3688-3693.	4.5	40
35	One dimensional transport in silicon nanowire junction-less field effect transistors. <i>Scientific Reports</i> , 2017, 7, 3004.	1.6	31
36	Environment-assisted quantum transport through single-molecule junctions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29534-29539.	1.3	17

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37	Strong Coupling of Microwave Photons to Antiferromagnetic Fluctuations in an Organic Magnet. Physical Review Letters, 2017, 119, 147701.	2.9	38
38	Field-Effect Control of Grapheneâ€“Fullerene Thermoelectric Nanodevices. Nano Letters, 2017, 17, 7055-7061.	4.5	61
39	CF ₂ â€“Bridged C ₆₀ Fullerene Dimers and their Optical Transitions. ChemPhysChem, 2017, 18, 3540-3543.	1.0	2
40	Spin Resonance Clock Transition of the Endohedral Fullerene N_{15}	2.9	20
41	Detecting continuous spontaneous localization with charged bodies in a Paul trap. Physical Review A, 2017, 95, .	1.0	9
42	Vibrational effects in charge transport through a molecular double quantum dot. Physical Review B, 2017, 95, .	1.1	27
43	Double quantum dot memristor. Physical Review B, 2017, 96, .	1.1	15
44	Conditioned spin and charge dynamics of a single-electron quantum dot. Physical Review A, 2017, 96, .	1.0	3
45	Hyperfine and Spin-Orbit Coupling Effects on Decay of Spin-Valley States in a Carbon Nanotube. Physical Review Letters, 2017, 118, 177701.	2.9	11
46	Charge separated states and singlet oxygen generation of mono and bis adducts of C60 and C70. Chemical Physics, 2016, 465-466, 28-39.	0.9	16
47	Sensitive Radio-Frequency Measurements of a Quantum Dot by Tuning to Perfect Impedance Matching. Physical Review Applied, 2016, 5, .	1.5	44
48	Photon-assisted tunneling and charge dephasing in a carbon nanotube double quantum dot. Physical Review B, 2016, 93, .	1.1	13
49	Interference-based molecular transistors. Scientific Reports, 2016, 6, 33686.	1.6	17
50	Resonant Optomechanics with a Vibrating Carbon Nanotube and a Radio-Frequency Cavity. Physical Review Letters, 2016, 117, 170801.	2.9	32
51	Quantum Interference in Graphene Nanoconstrictions. Nano Letters, 2016, 16, 4210-4216.	4.5	70
52	Redox-Dependent Franckâ€“Condon Blockade and Avalanche Transport in a Grapheneâ€“Fullerene Single-Molecule Transistor. Nano Letters, 2016, 16, 170-176.	4.5	93
53	Probing the Dipolar Coupling in a Heterospin Endohedral Fullereneâ€“Phthalocyanine Dyad. Journal of the American Chemical Society, 2016, 138, 1313-1319.	6.6	29
54	Three-terminal graphene single-electron transistor fabricated using feedback-controlled electroburning. Applied Physics Letters, 2015, 107, .	1.5	22

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55	Conductance enlargement in picoscale electroburnt graphene nanojunctions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2658-2663.	3.3	98
56	Graphene-porphyrin single-molecule transistors. Nanoscale, 2015, 7, 13181-13185.	2.8	97
57	Synthesis of the first completely spin-compatible N@C ₆₀ cyclopropane derivatives by carefully tuning the DBU base catalyst. Chemical Communications, 2015, 51, 7096-7099.	2.2	14
58	Shear alignment of fullerenes in nanotubular supramolecular complexes. Polymer, 2015, 56, 516-522.	1.8	8
59	Electrically driven spin resonance in a bent disordered carbon nanotube. Physical Review B, 2014, 90, .	1.1	13
60	Optically enhanced charge transfer between C ₆₀ and single-wall carbon nanotubes in hybrid electronic devices. Nanoscale, 2014, 6, 572-580.	2.8	9
61	Nanoscale control of graphene electrodes. Physical Chemistry Chemical Physics, 2014, 16, 20398-20401.	1.3	67
62	Experimental Implementations of Quantum Paradoxes. , 2014, , 367-376.		0
63	Quantum sensors based on weak-value amplification cannot overcome decoherence. Physical Review A, 2013, 87, .	1.0	43
64	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
65	A two-step approach to the synthesis of N@C ₆₀ fullerene dimers for molecular qubits. Chemical Science, 2013, 4, 2971.	3.7	28
66	Alignment of N@C ₆₀ Derivatives in a Liquid Crystal Matrix. Journal of Physical Chemistry B, 2013, 117, 5925-5931.	1.2	18
67	Publisher's Note: Quantum sensors based on weak-value amplification cannot overcome decoherence [Phys. Rev. A87, 012115 (2013)]. Physical Review A, 2013, 88, .	1.0	0
68	The Oxford Questions on the foundations of quantum physics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130299.	1.0	22
69	Ultrasonic Force Microscopies. Nanoscience and Technology, 2013, , 261-292.	1.5	2
70	Comment on "A scattering quantum circuit for measuring Bell's time inequality: a nuclear magnetic resonance demonstration using maximally mixed states". New Journal of Physics, 2012, 14, 058001.	1.2	7
71	Violation of a Leggett-Carg inequality with ideal non-invasive measurements. Nature Communications, 2012, 3, 606.	5.8	172
72	N@C ₆₀ -Porphyrin: A Dyad of Two Radical Centers. Journal of the American Chemical Society, 2012, 134, 1938-1941.	6.6	34

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73	Catalytic and non-catalytic roles of pendant groups in the decomposition of N@C ₆₀ : a DFT investigation. <i>Chemical Communications</i> , 2012, 48, 5148.	2.2	3
74	Formation Mechanism for a Hybrid Supramolecular Network Involving Cooperative Interactions. <i>Physical Review Letters</i> , 2012, 108, 176103.	2.9	34
75	Chemistry at the Nanoscale: Synthesis of an N@C ₆₀ Endohedral Fullerene Dimer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3587-3590.	7.2	40
76	Atomic Scale Growth Dynamics of Nanocrystals within Carbon Nanotubes. <i>ACS Nano</i> , 2011, 5, 1410-1417.	7.3	23
77	Ultralow Secondary Electron Emission of Graphene. <i>ACS Nano</i> , 2011, 5, 1047-1055.	7.3	72
78	Functionalized Fullerenes in Self-Assembled Monolayers. <i>Langmuir</i> , 2011, 27, 10977-10985.	1.6	45
79	Atomic Resolution Imaging of the Edges of Catalytically Etched Suspended Few-Layer Graphene. <i>ACS Nano</i> , 2011, 5, 1975-1983.	7.3	44
80	Quantum control in spintronics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3229-3248.	1.6	12
81	Synthesis and Magnetic Properties of a Nitrogen-Containing Fullerene Dimer. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 117-121.	1.2	14
82	Photochemical stability of N@C ₆₀ and its pyrrolidine derivatives. <i>Chemical Physics Letters</i> , 2011, 508, 187-190.	1.2	18
83	Carbon nanotube nanoelectronic devices compatible with transmission electron microscopy. <i>Nanotechnology</i> , 2011, 22, 245305.	1.3	7
84	Utilizing boron nitride sheets as thin supports for high resolution imaging of nanocrystals. <i>Nanotechnology</i> , 2011, 22, 195603.	1.3	20
85	Transport Spectroscopy of an Impurity Spin in a Carbon Nanotube Double Quantum Dot. <i>Physical Review Letters</i> , 2011, 106, 206801.	2.9	40
86	Coherent State Transfer between an Electron and Nuclear Spin in N^{15} C ₆₀ . <i>Physical Review Letters</i> , 2011, 106, 110504.	2.9	34
87	Response to "Comment on "Ultrahigh secondary electron emission of carbon nanotubes" [Appl. Phys. Lett. 98, 066101 (2011)]. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	3
88	Resolving strain in carbon nanotubes at the atomic level. <i>Nature Materials</i> , 2011, 10, 958-962.	13.3	61
89	Exchange interactions of spin-active metallofullerenes in solid-state carbon networks. <i>Physical Review B</i> , 2010, 81, .	1.1	8
90	Spin detection at elevated temperatures using a driven double quantum dot. <i>Physical Review B</i> , 2010, 82, .	1.1	8

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91	Storage of Multiple Coherent Microwave Excitations in an Electron Spin Ensemble. <i>Physical Review Letters</i> , 2010, 105, 140503.	2.9	156
92	Electron spin coherence in metallofullerenes: Y, Sc, and La@C_{82} . <i>Physical Review B</i> , 2010, 82, .	1.1	35
93	Ultra-high secondary electron emission of carbon nanotubes. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	22
94	Entangling Remote Nuclear Spins Linked by a Chromophore. <i>Physical Review Letters</i> , 2010, 104, 200501.	2.9	17
95	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
96	Electron Paramagnetic Resonance Investigation of Purified Catalyst-free Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2010, 4, 7708-7716.	7.3	29
97	Direct Imaging and Chemical Identification of the Encapsulated Metal Atoms in Bimetallic Endofullerene Peapods. <i>ACS Nano</i> , 2010, 4, 3943-3948.	7.3	17
98	High-Performance Field Effect Transistors from Solution Processed Carbon Nanotubes. <i>ACS Nano</i> , 2010, 4, 6659-6664.	7.3	29
99	Controlling intermolecular spin interactions of La@C_{82} in empty fullerene matrices. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1618.	1.3	17
100	A Cyclic Porphyrin Trimer as a Receptor for Fullerenes. <i>Organic Letters</i> , 2010, 12, 3544-3547.	2.4	124
101	Experimental and theoretical analysis of H-bonded supramolecular assemblies of PTCDA molecules. <i>Physical Review B</i> , 2010, 81, .	1.1	53
102	High-Cooperativity Coupling of Electron-Spin Ensembles to Superconducting Cavities. <i>Physical Review Letters</i> , 2010, 105, 140501.	2.9	398
103	Endohedral metallofullerenes in self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 123-131.	1.3	20
104	Spin Lifetimes in Quantum Dots from Noise Measurements. <i>Physical Review Letters</i> , 2009, 102, 016802.	2.9	12
105	One-Dimensional Confined Motion of Single Metal Atoms inside Double-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2009, 102, 195504.	2.9	38
106	Quantum Computing with an Electron Spin Ensemble. <i>Physical Review Letters</i> , 2009, 103, 070502.	2.9	206
107	Capturing the Motion of Molecular Nanomaterials Encapsulated within Carbon Nanotubes with Ultra-high Temporal Resolution. <i>ACS Nano</i> , 2009, 3, 3037-3044.	7.3	25
108	Magnetic Field Sensing Beyond the Standard Quantum Limit Using 10-Spin NOON States. <i>Science</i> , 2009, 324, 1166-1168.	6.0	214

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109	Scattering-induced entanglement between spin qubits at remote two-state structures. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 075503.	0.7	8
110	Cryogenic instrumentation for fast current measurement in a silicon single electron transistor. <i>Journal of Applied Physics</i> , 2009, 106, 033705.	1.1	7
111	Investigations of N@C₆₀ and N@C₇₀ stability under high pressure and high temperature conditions. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2767-2770.	0.7	6
112	Structural transformations in graphene studied with high spatial and temporal resolution. <i>Nature Nanotechnology</i> , 2009, 4, 500-504.	15.6	203
113	Optical properties of Er ³⁺ in fullerenes and in $\hat{\Gamma}$ -PbF ₂ single-crystals. <i>Optical Materials</i> , 2009, 32, 251-256.	1.7	15
114	Acuminated fluorescence of Si_{20} centres in endohedral fullerenes through the incarceration of a carbide cluster. <i>Chemical Physics Letters</i> , 2009, 476, 41-45.	1.2	16
115	Effects of Doping on Electronic Structure and Correlations in Carbon Peapods. <i>ACS Nano</i> , 2009, 3, 1069-1076.	7.3	17
116	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
117	A bimetallic endohedral fullerene: PrSc@C ₈₀ . <i>Chemical Communications</i> , 2009, , 4082.	2.2	15
118	Investigating the Diameter-Dependent Stability of Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2009, 3, 1557-1563.	7.3	82
119	Direct Imaging of Rotational Stacking Faults in Few Layer Graphene. <i>Nano Letters</i> , 2009, 9, 102-106.	4.5	225
120	Scanning tunneling microscopy studies of C ₆₀ on Au(111). <i>Physical Review B</i> , 2009, 80, .	1.1	81
121	Polyarene-Functionalized Fullerenes in Carbon Nanotubes: Towards Controlled Geometry of Molecular Chains. <i>Small</i> , 2008, 4, 2262-2270.	5.2	21
122	Carbon nanotubes for interconnects in VLSI integrated circuits. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2303-2307.	0.7	11
123	Temperature-dependent photoluminescence study of ErSc ₂ N@C ₈₀ and Er ₂ ScN@C ₈₀ fullerenes. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1998-2001.	0.7	9
124	La@C ₈₂ as a spin-active filling of SWCNTs: ESR study of magnetic and photophysical properties. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2042-2046.	0.7	8
125	Magnetic properties of Si_{35} clusters in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2303-2307.	1.2	21
126	Melamine Structures on the Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11476-11480.	1.5	122

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127	Rotating Fullerene Chains in Carbon Nanopeapods. Nano Letters, 2008, 8, 2328-2335.	4.5	57
128	Photoisomerization of a Fullerene Dimer. Journal of Physical Chemistry C, 2008, 112, 2802-2804.	1.5	38
129	Role of Interaction Anisotropy in the Formation and Stability of Molecular Templates. Physical Review Letters, 2008, 100, 156101.	2.9	66
130	Entanglement between remote spin-qubits in one dimension by scattering in the real-space Anderson model. Physical Review B, 2008, 77, .	1.1	14
131	Modeling spin interactions in carbon peapods using a hybrid density functional theory. Physical Review B, 2008, 77, .	1.1	27
132	Electron Energy Loss Spectroscopy of La@C82 peapods. , 2008, , 177-178.		0
133	Dynamics of Paramagnetic Metallofullerenes in Carbon Nanotube Peapods. Nano Letters, 2008, 8, 1005-1010.	4.5	48
134	Grating of single Lu@C82 molecules using supramolecular network. Chemical Communications, 2008, , 4616.	2.2	19
135	A chiral pinwheel supramolecular network driven by the assembly of PTCDI and melamine. Chemical Communications, 2008, , 1907.	2.2	58
136	Single shot measurement in silicon single electron transistors. , 2008, , .		0
137	Switchable $N \text{ErSc}_2$ Rotor within a C_{80} Fullerene Cage: An Electron Paramagnetic Resonance and Photoluminescence Excitation Study. Physical Review Letters, 2008, 100, 156101.	2.9	19
138	Entanglement of static and flying qubits in degenerate mesoscopic systems. Physical Review B, 2008, 77, .	1.1	11
139	Publisher's Note: Entanglement between remote spin-qubits in one dimension by scattering in the real-space Anderson model [Phys. Rev. B 77 , 195308 (2008)]. Physical Review B, 2008, 77, .	1.1	0
140	Growth and characterization of high-density mats of single-walled carbon nanotubes for interconnects. Applied Physics Letters, 2008, 93, 163111.	1.5	55
141	Epitaxial ordering of a perylenetetracarboxylic diimide-melamine supramolecular network driven by the Au(111)-(22Å ⁻³) reconstruction. Applied Physics Letters, 2008, 92, 023102.	1.5	40
142	Single shot measurement of a silicon single electron transistor. Applied Physics Letters, 2008, 93, 192116.	1.5	10
143	Electronic transport characterization of Sc@C82 single-wall carbon nanotube peapods. Journal of Applied Physics, 2008, 104, 083717.	1.1	9
144	Pauli spin blockade in carbon nanotube double quantum dots. Physical Review B, 2008, 77, .	1.1	40

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145	Deriving molecular bonding from a macromolecular self-assembly using kinetic Monte Carlo simulations. <i>Physical Review B</i> , 2008, 77, .	1.1	46
146	Self-assembly and electronic effects of Er ₃ N@C ₈₀ and Sc ₃ N@C ₈₀ on Au(111) and Ag/Si(111) surfaces. <i>Journal of Physics: Conference Series</i> , 2008, 100, 052080.	0.3	9
147	Configuration-selective spectroscopic studies of Er ³⁺ centers in ErSc ₂ N@C ₈₀ and Er ₂ ScN@C ₈₀ fullerenes. <i>Journal of Chemical Physics</i> , 2007, 127, 194504.	1.2	14
148	Correlation between photoconductivity in nanocrystalline titania and short circuit current transients in MEH-PPV/titania solar cells. <i>Nanotechnology</i> , 2007, 18, 145708.	1.3	8
149	Pairs and heptamers of C ₇₀ molecules ordered via PTCDI-melamine supramolecular networks. <i>Applied Physics Letters</i> , 2007, 91, 253109.	1.5	50
150	Environmental effects on electron spin relaxation in $N @ C_{60}$. <i>Physical Review B</i> , 2007, 76, .	1.1	59
151	Efficient Dynamic Nuclear Polarization at High Magnetic Fields. <i>Physical Review Letters</i> , 2007, 98, 220501.	2.9	49
152	Toward Controlled Spacing in One-Dimensional Molecular Chains: \tilde{A} Alkyl-Chain-Functionalized Fullerenes in Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 8609-8614.	6.6	51
153	Diameter-Dependent Elastic Modulus Supports the Metastable-Catalyst Growth of Carbon Nanotubes. <i>Nano Letters</i> , 2007, 7, 1598-1602.	4.5	43
154	Optical Studies of Non-linear Absorption in Single InGaN/GaN Quantum Dots. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
155	Synthesis of fullerene dimers with controllable length. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 3849-3852.	0.7	3
156	Manipulation of quantum information in N@C ₆₀ using electron and nuclear magnetic resonance. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 3874-3878.	0.7	4
157	Equilibrium Distributions and the Nanostructure Diagram for Epitaxial Quantum Dots. <i>Journal of Computational and Theoretical Nanoscience</i> , 2007, 4, 335-347.	0.4	6
158	Coherence of spin qubits in silicon. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S783-S794.	0.7	107
159	Towards a fullerene-based quantum computer. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S867-S883.	0.7	138
160	Synthesis and reactivity of N@C ₆₀ . <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2083.	1.3	21
161	Registration of single quantum dots using cryogenic laser photolithography. <i>Applied Physics Letters</i> , 2006, 88, 193106.	1.5	32
162	Atomic "molecular superlattices. <i>Chemical Communications</i> , 2006, , 1944-1946.	2.2	3

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163	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
164	Bandgap modulation of narrow-gap carbon nanotubes in a transverse electric field. <i>Europhysics Letters</i> , 2006, 73, 759-764.	0.7	24
165	Determination of the Thermal Stability of the Fullerene Dimers C120, C1200, and C12002. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16979-16981.	1.2	23
166	The N@C60 nuclear spin qubit: Bang-bang decoupling and ultrafast phase gates. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3028-3031.	0.7	30
167	PL, magneto-PL and PLE of the trimetallic nitride template fullerene Er3N@C80. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3037-3041.	0.7	25
168	Bang-bang control of fullerene qubits using ultrafast phase gates. <i>Nature Physics</i> , 2006, 2, 40-43.	6.5	174
169	The effects of a pyrrolidine functional group on the magnetic properties of N@C60. <i>Chemical Physics Letters</i> , 2006, 432, 523-527.	1.2	28
170	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
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172	Synthesis of an asymmetric fullerene dimer via sequential cycloadditions. <i>Tetrahedron Letters</i> , 2006, 47, 8595-8597.	0.7	9
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