

G Andrew D Briggs

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

343
papers

13,221
citations

57
h-index

100
g-index

366
ext. papers

14,234
ext. citations

6
avg, IF

6.03
L-index

#	Paper	IF	Citations
343	Eight Oxford Questions: Quantum Mechanics Under a New Light. <i>Fundamental Theories of Physics</i> , 2021 , 361-384	0.8	
342	Implementation of Quantum Level Addressability and Geometric Phase Manipulation in Aligned Endohedral Fullerene Qudits.. <i>Angewandte Chemie - International Edition</i> , 2021 , e202115263	16.4	1
341	Measuring the Thermodynamic Cost of Timekeeping. <i>Physical Review X</i> , 2021 , 11,	9.1	8
340	Circuit Quantum Electrodynamics with Carbon-Nanotube-Based Superconducting Quantum Circuits. <i>Physical Review Applied</i> , 2021 , 15,	4.3	4
339	Deep reinforcement learning for efficient measurement of quantum devices. <i>Npj Quantum Information</i> , 2021 , 7,	8.6	6
338	Experimental evidence of disorder enhanced electron-phonon scattering in graphene devices. <i>Carbon</i> , 2021 , 178, 632-639	10.4	4
337	Charge transport through extended molecular wires with strongly correlated electrons. <i>Chemical Science</i> , 2021 , 12, 11121-11129	9.4	1
336	Radio-frequency characterization of a supercurrent transistor made of a carbon nanotube. <i>Materials for Quantum Technology</i> , 2021 , 1, 035003		
335	Sensitive radiofrequency readout of quantum dots using an ultra-low-noise SQUID amplifier. <i>Journal of Applied Physics</i> , 2020 , 127, 244503	2.5	6
334	Role of metallic leads and electronic degeneracies in thermoelectric power generation in quantum dots. <i>Physical Review Research</i> , 2020 , 2,	3.9	9
333	Radio-frequency optomechanical characterization of a silicon nitride drum. <i>Scientific Reports</i> , 2020 , 10, 1654	4.9	4
332	Quantum device fine-tuning using unsupervised embedding learning. <i>New Journal of Physics</i> , 2020 , 22, 095003	2.9	6
331	Large amplitude charge noise and random telegraph fluctuations in room-temperature graphene single-electron transistors. <i>Nanoscale</i> , 2020 , 12, 871-876	7.7	9
330	Machine learning enables completely automatic tuning of a quantum device faster than human experts. <i>Nature Communications</i> , 2020 , 11, 4161	17.4	17
329	A coherent nanomechanical oscillator driven by single-electron tunnelling. <i>Nature Physics</i> , 2020 , 16, 75-82	26.2	24
328	Efficiently measuring a quantum device using machine learning. <i>Npj Quantum Information</i> , 2019 , 5,	8.6	19
327	Atomic Scale Imaging of Reversible Ring Cyclization in Graphene Nanoconstrictions. <i>ACS Nano</i> , 2019 , 13, 2379-2388	16.7	2

326	Metal Atom Markers for Imaging Epitaxial Molecular Self-Assembly on Graphene by Scanning Transmission Electron Microscopy. <i>ACS Nano</i> , 2019 , 13, 7252-7260	16.7	8
325	Charge-state assignment of nanoscale single-electron transistors from their current-voltage characteristics. <i>Nanoscale</i> , 2019 , 11, 14820-14827	7.7	8
324	Understanding resonant charge transport through weakly coupled single-molecule junctions. <i>Nature Communications</i> , 2019 , 10, 4628	17.4	23
323	Spiro-Conjugated Molecular Junctions: Between Jahn-Teller Distortion and Destructive Quantum Interference. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1859-1865	6.4	12
322	Low-Frequency Noise in Graphene Tunnel Junctions. <i>ACS Nano</i> , 2018 , 12, 9451-9460	16.7	15
321	Common methods for the preparation of clean A- and B-type GaN surfaces assessed by STM, RHEED and XPS 2018 , 329-332		
320	Seeing opportunity in every difficulty: protecting information with weak value techniques. <i>Quantum Studies: Mathematics and Foundations</i> , 2018 , 5, 505-517	0.6	1
319	Geometrically Enhanced Thermoelectric Effects in Graphene Nanoconstrictions. <i>Nano Letters</i> , 2018 , 18, 7719-7725	11.5	30
318	Quantum interference in silicon one-dimensional junctionless nanowire field-effect transistors. <i>Physical Review B</i> , 2018 , 98,	3.3	2
317	Measuring carbon nanotube vibrations using a single-electron transistor as a fast linear amplifier. <i>Applied Physics Letters</i> , 2018 , 113, 153101	3.4	3
316	Beyond Marcus theory and the Landauer-Büttiker approach in molecular junctions: A unified framework. <i>Journal of Chemical Physics</i> , 2018 , 149, 154112	3.9	43
315	Anchor Groups for Graphene-Porphyrin Single-Molecule Transistors. <i>Advanced Functional Materials</i> , 2018 , 28, 1803629	15.6	35
314	Distance Measurement of a Noncovalently Bound Y@C Pair with Double Electron Electron Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7420-7424	16.4	6
313	Distinguishing Lead and Molecule States in Graphene-Based Single-Electron Transistors. <i>ACS Nano</i> , 2017 , 11, 5325-5331	16.7	36
312	Scaling Limits of Graphene Nanoelectrodes. <i>Nano Letters</i> , 2017 , 17, 3688-3693	11.5	35
311	One dimensional transport in silicon nanowire junction-less field effect transistors. <i>Scientific Reports</i> , 2017 , 7, 3004	4.9	24
310	Environment-assisted quantum transport through single-molecule junctions. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 29534-29539	3.6	12
309	Strong Coupling of Microwave Photons to Antiferromagnetic Fluctuations in an Organic Magnet. <i>Physical Review Letters</i> , 2017 , 119, 147701	7.4	25

308	Field-Effect Control of Graphene-Fullerene Thermoelectric Nanodevices. <i>Nano Letters</i> , 2017 , 17, 7055-7061	6.15	41
307	CF-Bridged C Fullerene Dimers and their Optical Transitions. <i>ChemPhysChem</i> , 2017 , 18, 3540-3543	3.2	2
306	Spin Resonance Clock Transition of the Endohedral Fullerene $^{15}\text{N}@C_{60}$. <i>Physical Review Letters</i> , 2017 , 119, 140801	7.4	12
305	Detecting continuous spontaneous localization with charged bodies in a Paul trap. <i>Physical Review A</i> , 2017 , 95,	2.6	5
304	Vibrational effects in charge transport through a molecular double quantum dot. <i>Physical Review B</i> , 2017 , 95,	3.3	25
303	Double quantum dot memristor. <i>Physical Review B</i> , 2017 , 96,	3.3	9
302	Conditioned spin and charge dynamics of a single-electron quantum dot. <i>Physical Review A</i> , 2017 , 96,	2.6	3
301	Hyperfine and Spin-Orbit Coupling Effects on Decay of Spin-Valley States in a Carbon Nanotube. <i>Physical Review Letters</i> , 2017 , 118, 177701	7.4	7
300	Sensitive Radio-Frequency Measurements of a Quantum Dot by Tuning to Perfect Impedance Matching. <i>Physical Review Applied</i> , 2016 , 5,	4.3	35
299	Photon-assisted tunneling and charge dephasing in a carbon nanotube double quantum dot. <i>Physical Review B</i> , 2016 , 93,	3.3	11
298	Interference-based molecular transistors. <i>Scientific Reports</i> , 2016 , 6, 33686	4.9	11
297	Resonant Optomechanics with a Vibrating Carbon Nanotube and a Radio-Frequency Cavity. <i>Physical Review Letters</i> , 2016 , 117, 170801	7.4	23
296	Quantum Interference in Graphene Nanoconstrictions. <i>Nano Letters</i> , 2016 , 16, 4210-6	11.5	48
295	Redox-Dependent Franck-Condon Blockade and Avalanche Transport in a Graphene-Fullerene Single-Molecule Transistor. <i>Nano Letters</i> , 2016 , 16, 170-6	11.5	71
294	Probing the Dipolar Coupling in a Heterospin Endohedral Fullerene-Phthalocyanine Dyad. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1313-9	16.4	25
293	Charge separated states and singlet oxygen generation of mono and bis adducts of C60 and C70. <i>Chemical Physics</i> , 2016 , 465-466, 28-39	2.3	14
292	Conductance enlargement in picoscale electroburnt graphene nanojunctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2658-63	11.5	81
291	Graphene-porphyrin single-molecule transistors. <i>Nanoscale</i> , 2015 , 7, 13181-5	7.7	78

290	Synthesis of the first completely spin-compatible N@C60 cyclopropane derivatives by carefully tuning the DBU base catalyst. <i>Chemical Communications</i> , 2015 , 51, 7096-9	5.8	10
289	Shear alignment of fullerenes in nanotubular supramolecular complexes. <i>Polymer</i> , 2015 , 56, 516-522	3.9	8
288	Three-terminal graphene single-electron transistor fabricated using feedback-controlled electroburning. <i>Applied Physics Letters</i> , 2015 , 107, 133105	3.4	18
287	Optically enhanced charge transfer between C60 and single-wall carbon nanotubes in hybrid electronic devices. <i>Nanoscale</i> , 2014 , 6, 572-80	7.7	7
286	Nanoscale control of graphene electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20398-401	3.6	53
285	Electrically driven spin resonance in a bent disordered carbon nanotube. <i>Physical Review B</i> , 2014 , 90,	3.3	13
284	Experimental Implementations of Quantum Paradoxes 2014 , 367-376		
283	Quantum sensors based on weak-value amplification cannot overcome decoherence. <i>Physical Review A</i> , 2013 , 87,	2.6	40
282	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> , 2013 , 110, 3777-81	11.5	60
281	Ultrasonic Force and Related Microscopies 2013 , 277-306		
280	A two-step approach to the synthesis of N@C60 fullerene dimers for molecular qubits. <i>Chemical Science</i> , 2013 , 4, 2971	9.4	27
279	Alignment of N@C60 derivatives in a liquid crystal matrix. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 5925-31	3.4	14
278	The Oxford Questions on the foundations of quantum physics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2013 , 469, 20130299	2.4	16
277	Ultrasonic Force Microscopies. <i>Nanoscience and Technology</i> , 2013 , 261-292	0.6	2
276	N@C60-porphyrin: a dyad of two radical centers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1938-41	16.4	31
275	Catalytic and non-catalytic roles of pendant groups in the decomposition of N@C60: a DFT investigation. <i>Chemical Communications</i> , 2012 , 48, 5148-50	5.8	3
274	Formation mechanism for a hybrid supramolecular network involving cooperative interactions. <i>Physical Review Letters</i> , 2012 , 108, 176103	7.4	33
273	Chemistry at the Nanoscale: Synthesis of an N@C60N@C60 Endohedral Fullerene Dimer. <i>Angewandte Chemie</i> , 2012 , 124, 3647-3650	3.6	5

272	Chemistry at the nanoscale: synthesis of an N@C60-N@C60 endohedral fullerene dimer. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3587-90	16.4	37
271	Comment on A scattering quantum circuit for measuring Bell's time inequality: a nuclear magnetic resonance demonstration using maximally mixed states B <i>New Journal of Physics</i> , 2012 , 14, 058001	2.9	6
270	Violation of a Leggett-Garg inequality with ideal non-invasive measurements. <i>Nature Communications</i> , 2012 , 3, 606	17.4	127
269	Functionalized fullerenes in self-assembled monolayers. <i>Langmuir</i> , 2011 , 27, 10977-85	4	42
268	Atomic resolution imaging of the edges of catalytically etched suspended few-layer graphene. <i>ACS Nano</i> , 2011 , 5, 1975-83	16.7	42
267	Quantum control in spintronics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 3229-48	3	10
266	Synthesis and Magnetic Properties of a Nitrogen-Containing Fullerene Dimer. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 117-121	3.2	13
265	Atomic scale growth dynamics of nanocrystals within carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 1410-7	16.7	19
264	Ultralow secondary electron emission of graphene. <i>ACS Nano</i> , 2011 , 5, 1047-55	16.7	54
263	Photochemical stability of N@C60 and its pyrrolidine derivatives. <i>Chemical Physics Letters</i> , 2011 , 508, 187-190	2.5	18
262	Carbon nanotube nanoelectronic devices compatible with transmission electron microscopy. <i>Nanotechnology</i> , 2011 , 22, 245305	3.4	7
261	Utilizing boron nitride sheets as thin supports for high resolution imaging of nanocrystals. <i>Nanotechnology</i> , 2011 , 22, 195603	3.4	20
260	Transport spectroscopy of an impurity spin in a carbon nanotube double quantum dot. <i>Physical Review Letters</i> , 2011 , 106, 206801	7.4	38
259	Coherent state transfer between an electron and nuclear spin in (15)N@C(60). <i>Physical Review Letters</i> , 2011 , 106, 110504	7.4	30
258	Response to C Comment on D Ultrahigh secondary electron emission of carbon nanotubes E [Appl. Phys. Lett. 98, 066101 (2011)]. <i>Applied Physics Letters</i> , 2011 , 98, 066102	3.4	3
257	Resolving strain in carbon nanotubes at the atomic level. <i>Nature Materials</i> , 2011 , 10, 958-62	27	55
256	Exchange interactions of spin-active metallofullerenes in solid-state carbon networks. <i>Physical Review B</i> , 2010 , 81,	3.3	8
255	Spin detection at elevated temperatures using a driven double quantum dot. <i>Physical Review B</i> , 2010 , 82,	3.3	7

254	Storage of multiple coherent microwave excitations in an electron spin ensemble. <i>Physical Review Letters</i> , 2010 , 105, 140503	7.4	135
253	Electron spin coherence in metallofullerenes: Y, Sc, and La@C82. <i>Physical Review B</i> , 2010 , 82,	3.3	31
252	Ultrahigh secondary electron emission of carbon nanotubes. <i>Applied Physics Letters</i> , 2010 , 96, 213113	3.4	20
251	Entangling remote nuclear spins linked by a chromophore. <i>Physical Review Letters</i> , 2010 , 104, 200501	7.4	15
250	Intricate Hydrogen-Bonded Networks: Binary and Ternary Combinations of Uracil, PTCDI, and Melamine. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 5859-5866	3.8	38
249	Electron paramagnetic resonance investigation of purified catalyst-free single-walled carbon nanotubes. <i>ACS Nano</i> , 2010 , 4, 7708-16	16.7	26
248	Direct imaging and chemical identification of the encapsulated metal atoms in bimetallic endofullerene peapods. <i>ACS Nano</i> , 2010 , 4, 3943-8	16.7	14
247	High-performance field effect transistors from solution processed carbon nanotubes. <i>ACS Nano</i> , 2010 , 4, 6659-64	16.7	24
246	Controlling intermolecular spin interactions of La@C(82) in empty fullerene matrices. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 1618-23	3.6	15
245	A cyclic porphyrin trimer as a receptor for fullerenes. <i>Organic Letters</i> , 2010 , 12, 3544-7	6.2	112
244	Experimental and theoretical analysis of H-bonded supramolecular assemblies of PTCDA molecules. <i>Physical Review B</i> , 2010 , 81,	3.3	48
243	High-cooperativity coupling of electron-spin ensembles to superconducting cavities. <i>Physical Review Letters</i> , 2010 , 105, 140501	7.4	334
242	Endohedral metallofullerenes in self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 123-31	3.6	20
241	Spin lifetimes in quantum dots from noise measurements. <i>Physical Review Letters</i> , 2009 , 102, 016802	7.4	12
240	One-dimensional confined motion of single metal atoms inside double-walled carbon nanotubes. <i>Physical Review Letters</i> , 2009 , 102, 195504	7.4	32
239	Quantum computing with an electron spin ensemble. <i>Physical Review Letters</i> , 2009 , 103, 070502	7.4	181
238	Capturing the motion of molecular nanomaterials encapsulated within carbon nanotubes with ultrahigh temporal resolution. <i>ACS Nano</i> , 2009 , 3, 3037-44	16.7	24
237	Magnetic field sensing beyond the standard quantum limit using 10-spin NOON states. <i>Science</i> , 2009 , 324, 1166-8	33.3	181

236	Scattering-induced entanglement between spin qubits at remote two-state structures. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 075503	1.8	8
235	Cryogenic instrumentation for fast current measurement in a silicon single electron transistor. <i>Journal of Applied Physics</i> , 2009 , 106, 033705	2.5	5
234	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	1.3	6
233	Structural transformations in graphene studied with high spatial and temporal resolution. <i>Nature Nanotechnology</i> , 2009 , 4, 500-4	28.7	191
232	Optical properties of Er ³⁺ in fullerenes and in EPbF2 single-crystals. <i>Optical Materials</i> , 2009 , 32, 251-256	3.3	13
231	Acuminated fluorescence of Er ³⁺ centres in endohedral fullerenes through the incarceration of a carbide cluster. <i>Chemical Physics Letters</i> , 2009 , 476, 41-45	2.5	13
230	Effects of doping on electronic structure and correlations in carbon peapods. <i>ACS Nano</i> , 2009 , 3, 1069-76	6.7	16
229	H-Bonding Supramolecular Assemblies of PTCDI Molecules on the Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21840-21848	3.8	51
228	A bimetallic endohedral fullerene: PrSc@C80. <i>Chemical Communications</i> , 2009 , 4082-4	5.8	15
227	Investigating the diameter-dependent stability of single-walled carbon nanotubes. <i>ACS Nano</i> , 2009 , 3, 1557-63	16.7	76
226	Direct imaging of rotational stacking faults in few layer graphene. <i>Nano Letters</i> , 2009 , 9, 102-6	11.5	204
225	Scanning tunneling microscopy studies of C60 monolayers on Au(111). <i>Physical Review B</i> , 2009 , 80,	3.3	70
224	Melamine Structures on the Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 11476-11480	3.8	106
223	Rotating fullerene chains in carbon nanopeapods. <i>Nano Letters</i> , 2008 , 8, 2328-35	11.5	54
222	Photoisomerization of a Fullerene Dimer. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2802-2804	3.8	36
221	Role of interaction anisotropy in the formation and stability of molecular templates. <i>Physical Review Letters</i> , 2008 , 100, 156101	7.4	62
220	Entanglement between remote spin-qubits in one dimension by scattering in the real-space Anderson model. <i>Physical Review B</i> , 2008 , 77,	3.3	14
219	Modeling spin interactions in carbon peapods using a hybrid density functional theory. <i>Physical Review B</i> , 2008 , 77,	3.3	27

218	Electron Energy Loss Spectroscopy of La@C82 peapods 2008 , 177-178		
217	Dynamics of paramagnetic metallofullerenes in carbon nanotube peapods. <i>Nano Letters</i> , 2008 , 8, 1005-1015	4.5	42
216	Grating of single Lu@C(82) molecules using supramolecular network. <i>Chemical Communications</i> , 2008 , 4616-8	5.8	18
215	A chiral pinwheel supramolecular network driven by the assembly of PTCDI and melamine. <i>Chemical Communications</i> , 2008 , 1907-9	5.8	54
214	Switchable ErSc2N rotor within a C80 fullerene cage: an electron paramagnetic resonance and photoluminescence excitation study. <i>Physical Review Letters</i> , 2008 , 101, 013002	7.4	15
213	Entanglement of static and flying qubits in degenerate mesoscopic systems. <i>Physical Review B</i> , 2008 , 77,	3.3	10
212	Growth and characterization of high-density mats of single-walled carbon nanotubes for interconnects. <i>Applied Physics Letters</i> , 2008 , 93, 163111	3.4	53
211	Epitaxial ordering of a perylenetetracarboxylic diimide-melamine supramolecular network driven by the Au(111)-(2x2) reconstruction. <i>Applied Physics Letters</i> , 2008 , 92, 023102	3.4	38
210	Single shot measurement of a silicon single electron transistor. <i>Applied Physics Letters</i> , 2008 , 93, 192116	3.4	10
209	Electronic transport characterization of Sc@C82 single-wall carbon nanotube peapods. <i>Journal of Applied Physics</i> , 2008 , 104, 083717	2.5	8
208	Pauli spin blockade in carbon nanotube double quantum dots. <i>Physical Review B</i> , 2008 , 77,	3.3	40
207	Deriving molecular bonding from a macromolecular self-assembly using kinetic Monte Carlo simulations. <i>Physical Review B</i> , 2008 , 77,	3.3	44
206	Self-assembly and electronic effects of Er3N@C80 and Sc3N@C80 on Au(111) and Ag/Si(111) surfaces. <i>Journal of Physics: Conference Series</i> , 2008 , 100, 052080	0.3	8
205	Polyarene-functionalized fullerenes in carbon nanotubes: towards controlled geometry of molecular chains. <i>Small</i> , 2008 , 4, 2262-70	11	19
204	Carbon nanotubes for interconnects in VLSI integrated circuits. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2303-2307	1.3	10
203	Temperature-dependent photoluminescence study of ErSc2N@C80 and Er2ScN@C80 fullerenes. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 1998-2001	1.3	7
202	La@C82 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	1.3	8
201	Magnetic properties of . <i>Chemical Physics Letters</i> , 2008 , 466, 155-158	2.5	18

200	Diameter-dependent elastic modulus supports the metastable-catalyst growth of carbon nanotubes. <i>Nano Letters</i> , 2007 , 7, 1598-602	11.5	40
199	Synthesis of fullerene dimers with controllable length. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 3849-3852	1.3	2
198	Manipulation of quantum information in N@C60 using electron and nuclear magnetic resonance. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 3874-3878	1.3	4
197	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	3.9	12
196	Correlation between photoconductivity in nanocrystalline titania and short circuit current transients in MEH-PPV/titania solar cells. <i>Nanotechnology</i> , 2007 , 18, 145708	3.4	6
195	Pairs and heptamers of C ₇₀ molecules ordered via PTCDI-melamine supramolecular networks. <i>Applied Physics Letters</i> , 2007 , 91, 253109	3.4	46
194	Environmental effects on electron spin relaxation in N@C ₆₀ . <i>Physical Review B</i> , 2007 , 76,	3.3	53
193	Efficient dynamic nuclear polarization at high magnetic fields. <i>Physical Review Letters</i> , 2007 , 98, 220501	7.4	44
192	Toward controlled spacing in one-dimensional molecular chains: alkyl-chain-functionalized fullerenes in carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8609-14	16.4	43
191	Equilibrium Distributions and the Nanostructure Diagram for Epitaxial Quantum Dots. <i>Journal of Computational and Theoretical Nanoscience</i> , 2007 , 4, 335-347	0.3	5
190	Encapsulation and IR probing of cube-shaped octasilasesquioxane H ₈ Si ₈ O ₁₂ in carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5188-91	16.4	21
189	Encapsulation and IR Probing of Cube-Shaped Octasilasesquioxane H ₈ Si ₈ O ₁₂ in Carbon Nanotubes. <i>Angewandte Chemie</i> , 2006 , 118, 5312-5315	3.6	1
188	Zener quantum dot spin filter in a carbon nanotube. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, S843-S849	1.8	3
187	Intensity-dependent relaxation of photoconductivity in nanocrystalline titania thin films. <i>Physical Review B</i> , 2006 , 73,	3.3	13
186	Cryogenic two-photon laser photolithography with SU-8. <i>Applied Physics Letters</i> , 2006 , 88, 143123	3.4	6
185	Electron spin relaxation of N@C ₆₀ in CS ₂ . <i>Journal of Chemical Physics</i> , 2006 , 124, 14508	3.9	88
184	Coherence of spin qubits in silicon. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, S783-S794	1.8	97
183	Towards a fullerene-based quantum computer. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, S867-S883	1.8	116

182	Synthesis and reactivity of N@C60O. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 2083-8	3.6	18
181	Registration of single quantum dots using cryogenic laser photolithography. <i>Applied Physics Letters</i> , 2006 , 88, 193106	3.4	29
180	Atomic-molecular superlattices. <i>Chemical Communications</i> , 2006 , 1944-6	5.8	2
179	Entanglement between static and flying qubits in a semiconducting carbon nanotube. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, S851-S866	1.8	35
178	Bandgap modulation of narrow-gap carbon nanotubes in a transverse electric field. <i>Europhysics Letters</i> , 2006 , 73, 759-764	1.6	23
177	Determination of the thermal stability of the fullerene dimers C120, C120O, and C120O2. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 16979-81	3.4	21
176	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	1.3	29
175	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	1.3	23
174	BangBang control of fullerene qubits using ultrafast phase gates. <i>Nature Physics</i> , 2006 , 2, 40-43	16.2	158
173	The effects of a pyrrolidine functional group on the magnetic properties of N@C60. <i>Chemical Physics Letters</i> , 2006 , 432, 523-527	2.5	28
172	Two-photon absorption from single InGaN/GaN quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 32, 119-122	3	38
171	Synthesis of a short-chain fullerene dimer. <i>Tetrahedron Letters</i> , 2006 , 47, 7413-7415	2	5
170	Synthesis of an asymmetric fullerene dimer via sequential cycloadditions. <i>Tetrahedron Letters</i> , 2006 , 47, 8595-8597	2	8
169	Quantum-confined Stark effect in a single InGaN quantum dot under a lateral electric field. <i>Applied Physics Letters</i> , 2005 , 86, 213103	3.4	45
168	Chemical reactions inside single-walled carbon nano test-tubes. <i>Chemical Communications</i> , 2005 , 37-9	5.8	109
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