Andrew D Greentree

List of Publications by Year
in descending order

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235 papers	9,571 citations	34016 52 h-index	43802 91 g-index
239 all docs	239 docs citations	239 times ranked	7457 citing authors

#	Article	IF	Citations
1	Proximal nitrogen reduces the fluorescence quantum yield of nitrogen-vacancy centres in diamond. New Journal of Physics, 2022, 24, 033053.	1.2	10
2	En route to nanoscopic quantum optical imaging: counting emitters with photon-number-resolving detectors. Optics Express, 2022, 30, 12495.	1.7	3
3	Numerosity Categorization by Parity in an Insect and Simple Neural Network. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	3
4	Magnetic-field-dependent stimulated emission from nitrogen-vacancy centers in diamond. Science Advances, 2022, 8, .	4.7	12
5	Microwave quantum optics as a direct probe of the Overhauser field in a quantum dot circuit quantum electrodynamics device. Physical Review B, 2021, 103, .	1.1	1
6	Highly uniform polycrystalline diamond coatings of three-dimensional structures. Surface and Coatings Technology, 2021, 408, 126815.	2.2	10
7	Optical Forces and Torques on Eccentric Nanoscale Coreâ€“Shell Particles. ACS Photonics, 2021, 8, 1103-1111.	3.2	11
8	Preferential coupling of diamond NV centres in step-index fibres. Optics Express, 2021, 29, 14425.	1.7	5
9	Einstein, von Frisch and the honeybee: a historical letter comes to light. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2021, 207, 449-456.	0.7	8
10	Absorptive laser threshold magnetometry: combining visible diamond Raman lasers and nitrogen-vacancy centres. Materials for Quantum Technology, 2021, 1, 025003.	1.2	6
11	Optical properties of neodymium ions in nanoscale regions of gallium nitride: erratum. Optical Materials Express, 2021, 11, 524.	1.6	0
12	Photon-emitter dressed states in a closed waveguide. Physical Review A, 2021, 104, .	1.0	3
13	3D-Printed Diamondâ€“Titanium Composite: A Hybrid Material for Implant Engineering. ACS Applied Bio Materials, 2020, 3, 29-36.	2.3	24
14	Nearâ€Infrared Fluorescence from Siliconâ€•and Nickelâ€Based Color Centers in Highâ€Pressure Highâ€Temperature Diamond Microâ€•and Nanoparticles. Advanced Optical Materials, 2020, 8, 2001047.	3.6	11
15	Fluorescent Nanodiamonds Embedded in Poly-Îµ-Caprolactone Fibers as Biomedical Scaffolds. ACS Applied Nano Materials, 2020, 3, 10814-10822.	2.4	10
16	Fluorescent diamond microparticle doped glass fiber for magnetic field sensing. APL Materials, 2020, 8, .	2.2	24
17	Quantum multilateration: Subdiffraction emitter pair localization via three spatially separate Hanbury Brown and Twiss measurements. Physical Review A, 2020, 101, .	1.0	6
18	Spontaneous quantity discrimination of artificial flowers by foraging honeybees. Journal of Experimental Biology, 2020, 223, .	0.8	20

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19	Reply to comment on Howard et al . (2019): â€˜Nothing to dance about: unclear evidence for symbolic representations and numerical competence in honeybees'. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200095.	1.2	4
20	Beamed UV sonoluminescence by aspherical air bubble collapse near liquid-metal microparticles. Scientific Reports, 2020, 10, 1501.	1.6	17
21	Optical properties of neodymium ions in nanoscale regions of gallium nitride. Optical Materials Express, 2020, 10, 2614.	1.6	11
22	Amplification by stimulated emission of nitrogen-vacancy centres in a diamond-loaded fibre cavity. Nanophotonics, 2020, 9, 4505-4518.	2.9	18
23	Quantum magnetic sensor using fibre-cavity diamond nitrogen-vacancy centre laser. , 2020, , .		0
24	Diamond in fibre magnetometry: understanding the effects of step-index fibre design on dipole coupling. , 2020, , .		0
25	Honeybees prefer novel insect-pollinated flower shapes over bird-pollinated flower shapes. Environmental Epigenetics, 2019, 65, 457-465.	0.9	28
26	Sensitive and Multiplexed SERS Nanotags for the Detection of Cytokines Secreted by Lymphoma. ACS Sensors, 2019, 4, 2507-2514.	4.0	37
27	Spin coherent quantum transport of electrons between defects in diamond. Nanophotonics, 2019, 8, 1975-1984.	2.9	11
28	Surpassing the subitizing threshold: appetitiveâ€“aversive conditioning improves discrimination of numerosities in honeybees. Journal of Experimental Biology, 2019, 222, .	0.8	24
29	Coupling light and sound: giant nonlinearities from oscillating bubbles and droplets. Nanophotonics, 2019, 8, 367-390.	2.9	23
30	Symbolic representation of numerosity by honeybees (Apis mellifera): matching characters to small quantities. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190238.	1.2	28
31	Engineering the Interface: Nanodiamond Coating on 3D-Printed Titanium Promotes Mammalian Cell Growth and Inhibits Staphylococcus aureus Colonization. ACS Applied Materials & Interfaces, 2019, 11, 24588-24597.	4.0	60
32	UV plasmonic properties of colloidal liquid-metal eutectic gallium-indium alloy nanoparticles. Scientific Reports, 2019, 9, 5345.	1.6	61
33	Photoluminescence properties of praseodymium ions implanted into submicron regions in gallium nitride. Japanese Journal of Applied Physics, 2019, 58, 051011.	0.8	5
34	Numerical cognition in honeybees enables addition and subtraction. Science Advances, 2019, 5, eaav0961.	4.7	84
35	Common Principles in Learning from Bees through to Humans. Video Journal of Education and Pedagogy, 2019, 4, 184-201.	0.2	1
36	Achieving arithmetic learning in honeybees and examining how individuals learn. Communicative and Integrative Biology, 2019, 12, 166-170.	0.6	13

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37	Band structure and giant Stark effect in two-dimensional transition-metal dichalcogenides. Electronic Structure, 2019, 1, 015005.	1.0	5
38	Increased nitrogen-vacancy centre creation yield in diamond through electron beam irradiation at high temperature. Carbon, 2019, 143, 714-719.	5.4	65
39	Modal interferometric refractive index sensing in microstructured exposed core fibres. Optics Express, 2019, 27, 36269.	1.7	1
40	Polycrystalline Diamond Coating of Additively Manufactured Titanium for Biomedical Applications. ACS Applied Materials & Interfaces, 2018, 10, 8474-8484.	4.0	61
41	Magnetically sensitive nanodiamond-doped tellurite glass fibers. Scientific Reports, 2018, 8, 1268.	1.6	44
42	Perspective: Biomedical sensing and imaging with optical fibersâ€”Innovation through convergence of science disciplines. APL Photonics, 2018, 3, .	3.0	31
43	Facile One-Pot Synthesis of Nanodot-Decorated Goldâ€“Silver Alloy Nanoboxes for Single-Particle Surface-Enhanced Raman Scattering Activity. ACS Applied Materials & Interfaces, 2018, 10, 32526-32535.	4.0	45
44	Numerical ordering of zero in honey bees. Science, 2018, 360, 1124-1126.	6.0	145
45	Focussed electron beam induced deposition of platinum plasmonic antennae. , 2018, , .		1
46	Hybrid Diamond-Glass Optical Fibres for Magnetic Sensing. , 2018, , .		3
47	Guided magnonic Michelson interferometer. Scientific Reports, 2017, 7, 41472.	1.6	6
48	Stimulated emission from nitrogen-vacancy centres in diamond. Nature Communications, 2017, 8, 14000.	5.8	60
49	Surface-gate-defined single-electron transistor in a MoS₂ bilayer. Nanotechnology, 2017, 28, 125203.	1.3	6
50	Acoustically tunable optical transmission through a subwavelength hole with a bubble. Physical Review A, 2017, 95, .	1.0	7
51	Bright and photostable nitrogen-vacancy fluorescence from unprocessed detonation nanodiamond. Nanoscale, 2017, 9, 497-502.	2.8	56
52	Nanodiamond arrays on glass for quantification and fluorescence characterisation. Scientific Reports, 2017, 7, 9252.	1.6	13
53	Dynamically reconfigurable plasmon resonances enabled by capillary oscillations of liquid-metal nanodroplets. Physical Review A, 2017, 96, .	1.0	14
54	Wafer-Scale Synthesis of Semiconducting SnO Monolayers from Interfacial Oxide Layers of Metallic Liquid Tin. ACS Nano, 2017, 11, 10974-10983.	7.3	122

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55	A study of size-dependent properties of MoS2 monolayer nanoflakes using density-functional theory. Scientific Reports, 2017, 7, 9775.	1.6	30
56	Microscopy as a statistical, RÃ©nyi-Ulam, half-lie game: a new heuristic search strategy to accelerate imaging. Scientific Reports, 2017, 7, 14652.	1.6	2
57	Optical cryocooling of diamond. Physical Review B, 2017, 95, .	1.1	21
58	Magnetic field-induced enhancement of the nitrogen-vacancy fluorescence quantum yield. Nanoscale, 2017, 9, 9299-9304.	2.8	15
59	Improved color constancy in honey bees enabled by parallel visual projections from dorsal ocelli. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7713-7718.	3.3	14
60	Digital waveguide adiabatic passage part 2: experiment. Optics Express, 2017, 25, 2552.	1.7	4
61	Digital waveguide adiabatic passage part 1: theory. Optics Express, 2017, 25, 5466.	1.7	2
62	Synthesis of discrete phase-coherent optical spectra from nonlinear ultrasound. Optics Express, 2017, 25, 7496.	1.7	9
63	Refractive index variation in a free-standing diamond thin film induced by irradiation with fully transmitted high-energy protons. Scientific Reports, 2017, 7, 385.	1.6	15
64	Laser threshold magnetometry. New Journal of Physics, 2016, 18, 013015.	1.2	36
65	High-speed quantum networking by ship. Scientific Reports, 2016, 6, 36163.	1.6	14
66	Plasmonic nanoantenna hydrophones. Scientific Reports, 2016, 6, 32892.	1.6	13
67	Nanodiamonds in Fabry-Perot cavities: a route to scalable quantum computing. New Journal of Physics, 2016, 18, 021002.	1.2	7
68	Nanodiamond-polycaprolactone composite: A new material for tissue engineering with sub-dermal imaging capabilities. Materials Letters, 2016, 185, 185-188.	1.3	28
69	Spatial adiabatic passage: a review of recent progress. Reports on Progress in Physics, 2016, 79, 074401.	8.1	68
70	Geometrogenesis under quantum graphity: Problems with the ripening universe. Physical Review D, 2015, 92, .	1.6	4
71	Dark State Adiabatic Passage with Branched Networks and High-Spin Systems: Spin Separation and Entanglement. Frontiers in ICT, 2015, 2, .	3.6	3
72	Adiabatic two-photon quantum gate operations using a long-range photonic bus. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 055503.	0.6	14

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73	Guided magnon transport in spin chains: Transport speed and correcting for disorder. Physical Review A, 2015, 91, .	1.0	6
74	Atomâ€“Photon Coupling from Nitrogen-vacancy Centres Embedded in Tellurite Microspheres. Scientific Reports, 2015, 5, 11486.	1.6	6
75	Nanodiamond in tellurite glass Part II: practical nanodiamond-doped fibers. Optical Materials Express, 2015, 5, 73.	1.6	33
76	Atom-Photon Coupling from Nitrogen-vacancy Centers Embedded in Tellurite Microspheres. , 2015, , .		0
77	Low-Loss Tellurite Fibers With Embedded Nanodiamonds. , 2015, , .		0
78	Energetics of the quantum graphity universe. Physical Review D, 2014, 90, .	1.6	4
79	Self-formed cavity quantum electrodynamics in coupled dipole cylindrical-waveguide systems. Optics Express, 2014, 22, 11301.	1.7	19
80	Nanodiamond in tellurite glass Part I: origin of loss in nanodiamond-doped glass. Optical Materials Express, 2014, 4, 2608.	1.6	27
81	Negative refraction of excitations in the Bose-Hubbard model. Physical Review A, 2014, 90, .	1.0	5
82	Adiabatic optical bus for long-range coupling between silicon photonic waveguides. , 2014, , .		0
83	Development of a Templated Approach to Fabricate Diamond Patterns on Various Substrates. ACS Applied Materials & Interfaces, 2014, 6, 8894-8902.	4.0	31
84	Dark-state adiabatic passage with spin-one particles. Physical Review A, 2014, 90, .	1.0	12
85	Diamond and Silicon Get Entangled. Physics Magazine, 2014, 7, .	0.1	0
86	Flower Colours through the Lens: Quantitative Measurement with Visible and Ultraviolet Digital Photography. PLoS ONE, 2014, 9, e96646.	1.1	43
87	Diamond as a scaffold for bone growth. Journal of Materials Science: Materials in Medicine, 2013, 24, 849-861.	1.7	29
88	Quantum Bocce: Magnonâ€“magnon collisions between propagating and bound states in 1D spin chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1242-1249.	0.9	6
89	Fifty years of Jaynesâ€“Cummings physics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 220201.	0.6	25
90	The effect of gallium implantation on the optical properties of diamond. Diamond and Related Materials, 2013, 35, 47-52.	1.8	9

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91	Splitting of photoluminescent emission from nitrogenâ€“vacancy centers in diamond induced by ion-damage-induced stress. New Journal of Physics, 2013, 15, 043027.	1.2	26
92	Digital three-state adiabatic passage. Physical Review A, 2013, 87, .	1.0	19
93	Transformation optics for cavity array metamaterials. Optics Express, 2013, 21, 5575.	1.7	5
94	Buried picolitre fluidic channels in single-crystal diamond. Proceedings of SPIE, 2013, , .	0.8	5
95	Very bright, near-infrared single photon emitters in diamond. APL Materials, 2013, 1, 032120.	2.2	10
96	Long-range coupling of silicon photonic waveguides using lateral leakage and adiabatic passage. Optics Express, 2013, 21, 22705.	1.7	12
97	Direct measurement and modelling of internal strains in ion-implanted diamond. Journal of Physics Condensed Matter, 2013, 25, 385403.	0.7	22
98	Linearisation of RGB Camera Responses for Quantitative Image Analysis of Visible and UV Photography: A Comparison of Two Techniques. PLoS ONE, 2013, 8, e79534.	1.1	41
99	Tailoring the optical constants of diamond by ion implantation. Optical Materials Express, 2012, 2, 644.	1.6	19
100	Broadband and robust optical waveguide devices using coherent tunnelling adiabatic passage. Optics Express, 2012, 20, 23108.	1.7	21
101	Spin Guides and Spin Splitters: Waveguide Analogies in One-Dimensional Spin Chains. Physical Review Letters, 2012, 108, 017207.	2.9	14
102	Interferometry using adiabatic passage in dilute-gas Bose-Einstein condensates. Physical Review A, 2012, 86, .	1.0	13
103	Dynamic Stabilization of the Optical Resonances of Single Nitrogen-Vacancy Centers in Diamond. Physical Review Letters, 2012, 108, 206401.	2.9	113
104	Domain structures in quantum graphity. Physical Review D, 2012, 86, .	1.6	5
105	Fractional Quantum Hall Physics in Jaynes-Cummings-Hubbard Lattices. Physical Review Letters, 2012, 108, 223602.	2.9	73
106	Recent progress in diamond photonics. , 2012, , .		0
107	An upper limit on the lateral vacancy diffusion length in diamond. Diamond and Related Materials, 2012, 24, 6-10.	1.8	25
108	Depletion of nitrogen-vacancy color centers in diamond via hydrogen passivation. Applied Physics Letters, 2012, 100, .	1.5	53

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109	Optical properties of single crystal diamond microfilms fabricated by ion implantation and lift-off processing. Diamond and Related Materials, 2012, 21, 16-23.	1.8	11
110	Single-Photon Emission and Quantum Characterization of Zinc Oxide Defects. Nano Letters, 2012, 12, 949-954.	4.5	118
111	Nearâ€Surface Spectrally Stable Nitrogen Vacancy Centres Engineered in Single Crystal Diamond. Advanced Materials, 2012, 24, 3333-3338.	11.1	25
112	Coherent tunneling via adiabatic passage in a three-well Bose-Hubbard system. Physical Review A, 2012, 85, .	1.0	33
113	Mechanism for the Amorphisation of Diamond. Advanced Materials, 2012, 24, 2024-2029.	11.1	74
114	Diamond in Glass, a New Platform for Quantum Photonics. , 2012, , .		0
115	Towards hybrid diamond optical devices. , 2011, , .		0
116	Optomechanics with electromechanical parametric amplification. , 2011, , .		0
117	Engineering electromagnetic metamaterials from coupled cavity arrays. , 2011, , .		0
118	Coupling slot-waveguide cavities for large-scale quantum optical devices. Optics Express, 2011, 19, 6354.	1.7	1
119	Reconfigurable quantum metamaterials. Optics Express, 2011, 19, 11018.	1.7	45
120	Dipole emitters in fiber: interface effects, collection efficiency and optimization. Optics Express, 2011, 19, 16182.	1.7	23
121	Nanodiamond induced high-Q resonances in defect-free photonic crystal slabs. Optics Express, 2011, 19, 22219.	1.7	7
122	Diamond photonics. Nature Photonics, 2011, 5, 397-405.	15.6	532
123	Diamond-based single-photon emitters. Reports on Progress in Physics, 2011, 74, 076501.	8.1	462
124	Diamond in Tellurite Glass: a New Medium for Quantum Information. Advanced Materials, 2011, 23, 2806-2810.	11.1	82
125	Hybrid Materials: Diamond in Tellurite Glass: a New Medium for Quantum Information (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	11.1	5
126	Optical Fibre With Embedded Diamond Nanocrystals: Towards a High Collection Efficiency, Waveguided Single Photon Source. , 2011, , .		0

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127	Single photon emission from nanodiamond in tellurite glass. , 2011, , .		0
128	Engineering of nitrogen-vacancy color centers in high purity diamond by ion implantation and annealing. Journal of Applied Physics, 2011, 109, .	1.1	84
129	Diamond-based structures to collect and guide light. New Journal of Physics, 2011, 13, 025020.	1.2	53
130	Optical fibre coated with diamond nanocrystal: Novel sensing architecture. , 2011, , .		1
131	Electrostatic-Aharonov-Bohm-like interferometry with adiabatic passage in quantum dots. , 2011, , .		0
132	Parallel interaction-free measurement using spatial adiabatic passage. New Journal of Physics, 2011, 13, 125002.	1.2	5
133	Phase transitions in systems of interacting photons: quantum optics, quantum information, condensed matter and the Jaynes-Cummings-Hubbard model. Proceedings of SPIE, 2010, , .	0.8	0
134	Breaking time reversal symmetry with light. Physics Magazine, 2010, 3, .	0.1	6
135	Quantum and classical chaos in kicked coupled Jaynes-Cummings cavities. Physical Review A, 2010, 81, .	1.0	4
136	Fabrication of single optical centres in diamondâ€"a review. Journal of Luminescence, 2010, 130, 1646-1654.	1.5	63
137	A little diamond goes a long way. Nature Photonics, 2010, 4, 202-203.	15.6	14
138	Accessing diamond waveguides and future applications. , 2010, , .		3
139	Nickel related optical centres in diamond created by ion implantation. Journal of Applied Physics, 2010, 107, .	1.1	37
140	Towards all-diamond optical devices. , 2010, , .		0
141	Interferometry using spatial adiabatic passage in quantum dot networks. Physical Review B, 2010, 81, .	1.1	16
142	Top-down pathways to devices with few and single atoms placed to high precision. New Journal of Physics, 2010, 12, 065016.	1.2	23
143	Coherent electron transport by adiabatic passage in an imperfect donor chain. Physical Review B, 2010, 82, .	1.1	20
144	21^st-Century Applications of Nanodiamonds. Optics and Photonics News, 2010, 21, 20.	0.4	32

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145	Chromium single-photon emitters in diamond fabricated by ion implantation. Physical Review B, 2010, 81, .	1.1	97
146	Photophysics of chromium-related diamond single-photon emitters. Physical Review A, 2010, 81, .	1.0	71
147	Single atom-scale diamond defect allows a large Aharonov-Casher phase. Physical Review A, 2009, 80, .	1.0	5
148	Atomistic simulations of adiabatic coherent electron transport in triple donor systems. Physical Review B, 2009, 80, .	1.1	27
149	A highly efficient two level diamond based single photon source. Applied Physics Letters, 2009, 94, 203107.	1.5	52
150	Pulse shaping by coupled cavities: Single photons and qudits. Physical Review A, 2009, 80, .	1.0	12
151	Architectural design for a topological cluster state quantum computer. New Journal of Physics, 2009, 11, 083032.	1.2	84
152	Coherent tunneling adiabatic passage with the alternating coupling scheme. Nanotechnology, 2009, 20, 405402.	1.3	25
153	Single photon quantum non-demolition measurements in the presence of inhomogeneous broadening. New Journal of Physics, 2009, 11, 093005.	1.2	14
154	Producing optimized ensembles of nitrogen-vacancy color centers for quantum information applications. Journal of Applied Physics, 2009, 106, .	1.1	32
155	Flexible design of ultrahigh-Q microcavities in diamond-based photonic crystal slabs. Optics Express, 2009, 17, 6465.	1.7	56
156	Slot-waveguide cavities for optical quantum information applications. Optics Express, 2009, 17, 7295.	1.7	34
157	Two-Level Ultrabright Single Photon Emission from Diamond Nanocrystals. Nano Letters, 2009, 9, 3191-3195.	4.5	132
158	Time evolution of the one-dimensional Jaynes-Cummings-Hubbard Hamiltonian. Physical Review A, 2009, 80, .	1.0	36
159	High-performance diamond-based single-photon sources for quantum communication. Physical Review A, 2009, 80, .	1.0	34
160	Enhanced single-photon emission in the near infrared from a diamond color center. Physical Review B, 2009, 79, .	1.1	71
161	Band structure, phase transitions, and semiconductor analogs in one-dimensional solid light systems. Physical Review A, 2009, 80, .	1.0	28
162	Ultrahigh-Q microcavities in diamond-based photonic crystal slabs. , 2009, , .		0

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163	Diamond integrated quantum photonics. Materials Today, 2008, 11, 22-31.	8.3	109
164	Fabrication of Ultrathin Singleâ€Crystal Diamond Membranes. Advanced Materials, 2008, 20, 4793-4798.	11.1	129
165	Spatial adiabatic passage in a realistic triple well structure. Physical Review B, 2008, 77, .	1.1	51
166	Towards a picosecond transform-limited nitrogen-vacancy based single photon source. Optics Express, 2008, 16, 6240.	1.7	76
167	Coherent Tunneling Adiabatic Passage with the alternating coupling scheme. , 2008, , .		0
168	Phase transitions in photonic cavities: Exact vs. mean-field. , 2008, , .		0
169	Cavity enhancement of a Nitrogen-Vacancy-based single photon source. , 2008, , .		0
170	Spatial adiabatic passage as a quantum wire. , 2008, , .		0
171	Deterministic optical quantum computer using photonic modules. Physical Review A, 2008, 78, .	1.0	44
172	High-speed quantum gates with cavity quantum electrodynamics. Physical Review A, 2008, 78, .	1.0	42
173	Quantum phase transitions in photonic cavities with two-level systems. Physical Review A, 2008, 77, .	1.0	68
174	Diamond for Quantum Computing. Science, 2008, 320, 1601-1602.	6.0	120
175	Spatial coherent transport of interacting dilute Bose gases. Physical Review A, 2008, 77, .	1.0	80
176	Compensation of ac Stark and Zeeman shifts in Doppler-free nonlinear Faraday rotation in rubidium vapor. , 2007, , .		0
177	Electrostatically defined serial triple quantum dot charged with few electrons. Physical Review B, 2007, 76, .	1.1	170
178	Multiplexing single electron transistors for application in scalable solid-state quantum computing. Applied Physics Letters, 2007, 90, 043109.	1.5	6
179	Optical manipulation of single spins in diamond. , 2007, , .		2
180	Creating diamond color centers for quantum optical applications. Diamond and Related Materials, 2007, 16, 1887-1895.	1.8	113

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181	Photonic module: An on-demand resource for photonic entanglement. Physical Review A, 2007, 76, .	1.0	65
182	Two field nonlinear Faraday rotation in rubidium vapor in a Doppler-free geometry. Optics Communications, 2007, 276, 251-260.	1.0	4
183	Information Free Quantum Bus for Generating Stabiliser States. Quantum Information Processing, 2007, 6, 229-242.	1.0	15
184	Coalitions in the quantum Minority game: Classical cheats and quantum bullies. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 362, 132-137.	0.9	20
185	Stark Shift Control of Single Optical Centers in Diamond. Physical Review Letters, 2006, 97, 083002.	2.9	261
186	Coherent Population Trapping of Single Spins in Diamond under Optical Excitation. Physical Review Letters, 2006, 97, 247401.	2.9	235
187	Characterization of three-dimensional microstructures in single-crystal diamond. Diamond and Related Materials, 2006, 15, 1614-1621.	1.8	92
188	Quantum-information transport to multiple receivers. Physical Review A, 2006, 73, .	1.0	43
189	Coherent population trapping in diamond N-V centers at zero magnetic field. Optics Express, 2006, 14, 7986.	1.7	94
190	Toward quantum information processing using EIT in diamond. , 2006, , .		0
191	Room-temperature coherent coupling of single spins in diamond. Nature Physics, 2006, 2, 408-413.	6.5	496
192	Quantum phase transitions of light. Nature Physics, 2006, 2, 856-861.	6.5	662
193	Critical components for diamond-based quantum coherent devices. Journal of Physics Condensed Matter, 2006, 18, S825-S842.	0.7	64
194	Photochromism in single nitrogen-vacancy defect in diamond. Applied Physics B: Lasers and Optics, 2006, 82, 243-246.	1.1	125
195	Qubit Transport and Fault-tolerant Architectures in Silicon. , 2006, , .		0
196	Spectroscopy of a Cooper-pair box in the Autler-Townes configuration. Physical Review B, 2006, 74, .	1.1	7
197	Two-dimensional architectures for donor-based quantum computing. Physical Review B, 2006, 74, .	1.1	209
198	Quantum gate forQswitching in monolithic photonic-band-gap cavities containing two-level atoms. Physical Review A, 2006, 73, .	1.0	54

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199	Identifying a two-state Hamiltonian in the presence of decoherence. Physical Review A, 2006, 73, .	1.0	32
200	Coherent population trapping in diamond N-V centers at zero magnetic field. , 2006, , .		0
201	Optimizing single-electron transistors as electrometers for high-precision electrometry of charge on quantum dots. , 2005, , .		0
202	Measuring decoherence properties of charge qubits using buried donor cellular automata. , 2005, 5650, 504.		0
203	Single-spin detection and read-out for the solid-state quantum computer via resonant techniques. , 2005, , .		0
204	Fast donor-based electron spin quantum computing. , 2005, 5650, 44.		0
205	Ion-Beam-Assisted Lift-Off Technique for Three-Dimensional Micromachining of Freestanding Single-Crystal Diamond. Advanced Materials, 2005, 17, 2427-2430.	11.1	166
206	Scaling of coherent tunneling adiabatic passage in solid-state coherent quantum systems. , 2005, , .		3
207	Modelling single electron transfer in Si:P double quantum dots. Nanotechnology, 2005, 16, 74-81.	1.3	8
208	Donor activation and damage in Siâ€“SiO2from low-dose, low-energy ion implantation studied via electrical transport in MOSFETs. Semiconductor Science and Technology, 2005, 20, 363-368.	1.0	13
209	Single-shot readout with the radio-frequency single-electron transistor in the presence of charge noise. Applied Physics Letters, 2005, 86, 143117.	1.5	32
210	Controlled phase gate for solid-state charge-qubit architectures. Physical Review A, 2005, 71, .	1.0	10
211	Optically induced spin-to-charge transduction in donor-spin readout. Physical Review B, 2005, 72, .	1.1	15
212	Quantum-dot cellular automata using buried dopants. Physical Review B, 2005, 71, .	1.1	22
213	Global control and fast solid-state donor electron spin quantum computing. Physical Review B, 2005, 72, .	1.1	76
214	Identifying an experimental two-state Hamiltonian to arbitrary accuracy. Physical Review A, 2005, 71, .	1.0	64
215	Electrical readout of a spin qubit without double occupancy. Physical Review B, 2005, 71, .	1.1	22
216	Robust charge-based qubit encoding. Physical Review B, 2005, 72, .	1.1	10

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