

Andrew D Greentree

List of Publications by Year in descending order

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235
papers

9,571
citations

34016

52
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43802

91
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239
all docs

239
docs citations

239
times ranked

7457
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum phase transitions of light. <i>Nature Physics</i> , 2006, 2, 856-861.	6.5	662
2	Diamond photonics. <i>Nature Photonics</i> , 2011, 5, 397-405.	15.6	532
3	Room-temperature coherent coupling of single spins in diamond. <i>Nature Physics</i> , 2006, 2, 408-413.	6.5	496
4	Diamond-based single-photon emitters. <i>Reports on Progress in Physics</i> , 2011, 74, 076501.	8.1	462
5	Stark Shift Control of Single Optical Centers in Diamond. <i>Physical Review Letters</i> , 2006, 97, 083002.	2.9	261
6	Coherent electronic transfer in quantum dot systems using adiabatic passage. <i>Physical Review B</i> , 2004, 70, .	1.1	247
7	Coherent Population Trapping of Single Spins in Diamond under Optical Excitation. <i>Physical Review Letters</i> , 2006, 97, 247401.	2.9	235
8	Two-dimensional architectures for donor-based quantum computing. <i>Physical Review B</i> , 2006, 74, .	1.1	209
9	Electrostatically defined serial triple quantum dot charged with few electrons. <i>Physical Review B</i> , 2007, 76, .	1.1	170
10	Ion-Beam-Assisted Lift-Off Technique for Three-Dimensional Micromachining of Freestanding Single-Crystal Diamond. <i>Advanced Materials</i> , 2005, 17, 2427-2430.	11.1	166
11	Numerical ordering of zero in honey bees. <i>Science</i> , 2018, 360, 1124-1126.	6.0	145
12	Two-Level Ultrabright Single Photon Emission from Diamond Nanocrystals. <i>Nano Letters</i> , 2009, 9, 3191-3195.	4.5	132
13	Fabrication of Ultrathin Single-Crystal Diamond Membranes. <i>Advanced Materials</i> , 2008, 20, 4793-4798.	11.1	129
14	Photochromism in single nitrogen-vacancy defect in diamond. <i>Applied Physics B: Lasers and Optics</i> , 2006, 82, 243-246.	1.1	125
15	Wafer-Scale Synthesis of Semiconducting SnO Monolayers from Interfacial Oxide Layers of Metallic Liquid Tin. <i>ACS Nano</i> , 2017, 11, 10974-10983.	7.3	122
16	Diamond for Quantum Computing. <i>Science</i> , 2008, 320, 1601-1602.	6.0	120
17	Single-Photon Emission and Quantum Characterization of Zinc Oxide Defects. <i>Nano Letters</i> , 2012, 12, 949-954.	4.5	118
18	Creating diamond color centers for quantum optical applications. <i>Diamond and Related Materials</i> , 2007, 16, 1887-1895.	1.8	113

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19	Dynamic Stabilization of the Optical Resonances of Single Nitrogen-Vacancy Centers in Diamond. <i>Physical Review Letters</i> , 2012, 108, 206401.	2.9	113
20	Diamond integrated quantum photonics. <i>Materials Today</i> , 2008, 11, 22-31.	8.3	109
21	Chromium single-photon emitters in diamond fabricated by ion implantation. <i>Physical Review B</i> , 2010, 81, .	1.1	97
22	Coherent population trapping in diamond N-V centers at zero magnetic field. <i>Optics Express</i> , 2006, 14, 7986.	1.7	94
23	Characterization of three-dimensional microstructures in single-crystal diamond. <i>Diamond and Related Materials</i> , 2006, 15, 1614-1621.	1.8	92
24	Architectural design for a topological cluster state quantum computer. <i>New Journal of Physics</i> , 2009, 11, 083032.	1.2	84
25	Engineering of nitrogen-vacancy color centers in high purity diamond by ion implantation and annealing. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	84
26	Numerical cognition in honeybees enables addition and subtraction. <i>Science Advances</i> , 2019, 5, eaav0961.	4.7	84
27	Diamond in Tellurite Glass: a New Medium for Quantum Information. <i>Advanced Materials</i> , 2011, 23, 2806-2810.	11.1	82
28	Spatial coherent transport of interacting dilute Bose gases. <i>Physical Review A</i> , 2008, 77, .	1.0	80
29	Maximizing the Hilbert Space for a Finite Number of Distinguishable Quantum States. <i>Physical Review Letters</i> , 2004, 92, 097901.	2.9	76
30	Global control and fast solid-state donor electron spin quantum computing. <i>Physical Review B</i> , 2005, 72, .	1.1	76
31	Towards a picosecond transform-limited nitrogen-vacancy based single photon source. <i>Optics Express</i> , 2008, 16, 6240.	1.7	76
32	Mechanism for the Amorphisation of Diamond. <i>Advanced Materials</i> , 2012, 24, 2024-2029.	11.1	74
33	Fractional Quantum Hall Physics in Jaynes-Cummings-Hubbard Lattices. <i>Physical Review Letters</i> , 2012, 108, 223602.	2.9	73
34	Enhanced single-photon emission in the near infrared from a diamond color center. <i>Physical Review B</i> , 2009, 79, .	1.1	71
35	Photophysics of chromium-related diamond single-photon emitters. <i>Physical Review A</i> , 2010, 81, .	1.0	71
36	Quantum phase transitions in photonic cavities with two-level systems. <i>Physical Review A</i> , 2008, 77, .	1.0	68

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37	Spatial adiabatic passage: a review of recent progress. <i>Reports on Progress in Physics</i> , 2016, 79, 074401.	8.1	68
38	Photonic module: An on-demand resource for photonic entanglement. <i>Physical Review A</i> , 2007, 76, .	1.0	65
39	Increased nitrogen-vacancy centre creation yield in diamond through electron beam irradiation at high temperature. <i>Carbon</i> , 2019, 143, 714-719.	5.4	65
40	Identifying an experimental two-state Hamiltonian to arbitrary accuracy. <i>Physical Review A</i> , 2005, 71, .	1.0	64
41	Diamond chemical-vapor deposition on optical fibers for fluorescence waveguiding. <i>Applied Physics Letters</i> , 2005, 86, 134104.	1.5	64
42	Critical components for diamond-based quantum coherent devices. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S825-S842.	0.7	64
43	Fabrication of single optical centres in diamond—a review. <i>Journal of Luminescence</i> , 2010, 130, 1646-1654.	1.5	63
44	Polycrystalline Diamond Coating of Additively Manufactured Titanium for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8474-8484.	4.0	61
45	UV plasmonic properties of colloidal liquid-metal eutectic gallium-indium alloy nanoparticles. <i>Scientific Reports</i> , 2019, 9, 5345.	1.6	61
46	Progress in silicon-based quantum computing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 1451-1471.	1.6	60
47	Stimulated emission from nitrogen-vacancy centres in diamond. <i>Nature Communications</i> , 2017, 8, 14000.	5.8	60
48	Engineering the Interface: Nanodiamond Coating on 3D-Printed Titanium Promotes Mammalian Cell Growth and Inhibits <i>Staphylococcus aureus</i> Colonization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24588-24597.	4.0	60
49	Flexible design of ultrahigh-Q microcavities in diamond-based photonic crystal slabs. <i>Optics Express</i> , 2009, 17, 6465.	1.7	56
50	Bright and photostable nitrogen-vacancy fluorescence from unprocessed detonation nanodiamond. <i>Nanoscale</i> , 2017, 9, 497-502.	2.8	56
51	Quantum gate for Q-switching in monolithic photonic-band-gap cavities containing two-level atoms. <i>Physical Review A</i> , 2006, 73, .	1.0	54
52	Constructive control of quantum systems using factorization of unitary operators. <i>Journal of Physics A</i> , 2002, 35, 8315-8339.	1.6	53
53	Diamond-based structures to collect and guide light. <i>New Journal of Physics</i> , 2011, 13, 025020.	1.2	53
54	Depletion of nitrogen-vacancy color centers in diamond via hydrogen passivation. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	53

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55	A highly efficient two level diamond based single photon source. Applied Physics Letters, 2009, 94, 203107.	1.5	52
56	Spatial adiabatic passage in a realistic triple well structure. Physical Review B, 2008, 77, .	1.1	51
57	Resonant and off-resonant transients in electromagnetically induced transparency: Turn-on and turn-off dynamics. Physical Review A, 2002, 65, .	1.0	48
58	Reconfigurable quantum metamaterials. Optics Express, 2011, 19, 11018.	1.7	45
59	Facile One-Pot Synthesis of Nanodot-Decorated Gold-Silver Alloy Nanoboxes for Single-Particle Surface-Enhanced Raman Scattering Activity. ACS Applied Materials & Interfaces, 2018, 10, 32526-32535.	4.0	45
60	Deterministic optical quantum computer using photonic modules. Physical Review A, 2008, 78, .	1.0	44
61	Magnetically sensitive nanodiamond-doped tellurite glass fibers. Scientific Reports, 2018, 8, 1268.	1.6	44
62	Quantum-information transport to multiple receivers. Physical Review A, 2006, 73, .	1.0	43
63	Flower Colours through the Lens: Quantitative Measurement with Visible and Ultraviolet Digital Photography. PLoS ONE, 2014, 9, e96646.	1.1	43
64	High-speed quantum gates with cavity quantum electrodynamics. Physical Review A, 2008, 78, .	1.0	42
65	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
66	Prospects for photon blockade in four-level systems in the N configuration with more than one atom. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 252-259.	1.4	37
67	Observations of a doubly driven V system probed to a fourth level in laser-cooled rubidium. Physical Review A, 2001, 64, .	1.0	37
68	Nickel related optical centres in diamond created by ion implantation. Journal of Applied Physics, 2010, 107, .	1.1	37
69	Sensitive and Multiplexed SERS Nanotags for the Detection of Cytokines Secreted by Lymphoma. ACS Sensors, 2019, 4, 2507-2514.	4.0	37
70	Time evolution of the one-dimensional Jaynes-Cummings-Hubbard Hamiltonian. Physical Review A, 2009, 80, .	1.0	36
71	Laser threshold magnetometry. New Journal of Physics, 2016, 18, 013015.	1.2	36
72	Slot-waveguide cavities for optical quantum information applications. Optics Express, 2009, 17, 7295.	1.7	34

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73	High-performance diamond-based single-photon sources for quantum communication. <i>Physical Review A</i> , 2009, 80, .	1.0	34
74	Coherent tunneling via adiabatic passage in a three-well Bose-Hubbard system. <i>Physical Review A</i> , 2012, 85, .	1.0	33
75	Nanodiamond in tellurite glass Part II: practical nanodiamond-doped fibers. <i>Optical Materials Express</i> , 2015, 5, 73.	1.6	33
76	Single-shot readout with the radio-frequency single-electron transistor in the presence of charge noise. <i>Applied Physics Letters</i> , 2005, 86, 143117.	1.5	32
77	Identifying a two-state Hamiltonian in the presence of decoherence. <i>Physical Review A</i> , 2006, 73, .	1.0	32
78	Producing optimized ensembles of nitrogen-vacancy color centers for quantum information applications. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	32
79	21 st -Century Applications of Nanodiamonds. <i>Optics and Photonics News</i> , 2010, 21, 20.	0.4	32
80	Development of a Templated Approach to Fabricate Diamond Patterns on Various Substrates. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8894-8902.	4.0	31
81	Perspective: Biomedical sensing and imaging with optical fibers—Innovation through convergence of science disciplines. <i>APL Photonics</i> , 2018, 3, .	3.0	31
82	A study of size-dependent properties of MoS ₂ monolayer nanoflakes using density-functional theory. <i>Scientific Reports</i> , 2017, 7, 9775.	1.6	30
83	Intensity-dependent dispersion under conditions of electromagnetically induced transparency in coherently prepared multistate atoms. <i>Physical Review A</i> , 2003, 67, .	1.0	29
84	Diamond as a scaffold for bone growth. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 849-861.	1.7	29
85	Band structure, phase transitions, and semiconductor analogs in one-dimensional solid light systems. <i>Physical Review A</i> , 2009, 80, .	1.0	28
86	Nanodiamond-polycaprolactone composite: A new material for tissue engineering with sub-dermal imaging capabilities. <i>Materials Letters</i> , 2016, 185, 185-188.	1.3	28
87	Honeybees prefer novel insect-pollinated flower shapes over bird-pollinated flower shapes. <i>Environmental Epigenetics</i> , 2019, 65, 457-465.	0.9	28
88	Symbolic representation of numerosity by honeybees (<i>Apis mellifera</i>): matching characters to small quantities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190238.	1.2	28
89	Atomistic simulations of adiabatic coherent electron transport in triple donor systems. <i>Physical Review B</i> , 2009, 80, .	1.1	27
90	Nanodiamond in tellurite glass Part I: origin of loss in nanodiamond-doped glass. <i>Optical Materials Express</i> , 2014, 4, 2608.	1.6	27

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91	Splitting of photoluminescent emission from nitrogen-vacancy centers in diamond induced by ion-damage-induced stress. <i>New Journal of Physics</i> , 2013, 15, 043027.	1.2	26
92	Coherent tunneling adiabatic passage with the alternating coupling scheme. <i>Nanotechnology</i> , 2009, 20, 405402.	1.3	25
93	An upper limit on the lateral vacancy diffusion length in diamond. <i>Diamond and Related Materials</i> , 2012, 24, 6-10.	1.8	25
94	Near-Surface Spectrally Stable Nitrogen Vacancy Centres Engineered in Single Crystal Diamond. <i>Advanced Materials</i> , 2012, 24, 3333-3338.	11.1	25
95	Fifty years of Jaynes-Cummings physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 220201.	0.6	25
96	Surpassing the subitizing threshold: appetitive-aversive conditioning improves discrimination of numerosities in honeybees. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	24
97	3D-Printed Diamond-Titanium Composite: A Hybrid Material for Implant Engineering. <i>ACS Applied Bio Materials</i> , 2020, 3, 29-36.	2.3	24
98	Fluorescent diamond microparticle doped glass fiber for magnetic field sensing. <i>APL Materials</i> , 2020, 8, .	2.2	24
99	Top-down pathways to devices with few and single atoms placed to high precision. <i>New Journal of Physics</i> , 2010, 12, 065016.	1.2	23
100	Dipole emitters in fiber: interface effects, collection efficiency and optimization. <i>Optics Express</i> , 2011, 19, 16182.	1.7	23
101	Coupling light and sound: giant nonlinearities from oscillating bubbles and droplets. <i>Nanophotonics</i> , 2019, 8, 367-390.	2.9	23
102	Quantum-dot cellular automata using buried dopants. <i>Physical Review B</i> , 2005, 71, .	1.1	22
103	Electrical readout of a spin qubit without double occupancy. <i>Physical Review B</i> , 2005, 71, .	1.1	22
104	Direct measurement and modelling of internal strains in ion-implanted diamond. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 385403.	0.7	22
105	Broadband and robust optical waveguide devices using coherent tunnelling adiabatic passage. <i>Optics Express</i> , 2012, 20, 23108.	1.7	21
106	Optical cryocooling of diamond. <i>Physical Review B</i> , 2017, 95, .	1.1	21
107	Probing a doubly driven two-level atom. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 1999, 1, 240-244.	1.4	20
108	Polychromatic excitation of a two-level system. <i>Physical Review A</i> , 1999, 59, 4083-4086.	1.0	20

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109	Observation of transient gain without population inversion in a laser-cooled rubidium system. <i>Physical Review A</i> , 2001, 64, .	1.0	20
110	Coalitions in the quantum Minority game: Classical cheats and quantum bullies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 362, 132-137.	0.9	20
111	Coherent electron transport by adiabatic passage in an imperfect donor chain. <i>Physical Review B</i> , 2010, 82, .	1.1	20
112	Spontaneous quantity discrimination of artificial flowers by foraging honeybees. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	20
113	Tailoring the optical constants of diamond by ion implantation. <i>Optical Materials Express</i> , 2012, 2, 644.	1.6	19
114	Digital three-state adiabatic passage. <i>Physical Review A</i> , 2013, 87, .	1.0	19
115	Self-formed cavity quantum electrodynamics in coupled dipole cylindrical-waveguide systems. <i>Optics Express</i> , 2014, 22, 11301.	1.7	19
116	Amplification by stimulated emission of nitrogen-vacancy centres in a diamond-loaded fibre cavity. <i>Nanophotonics</i> , 2020, 9, 4505-4518.	2.9	18
117	Beamed UV sonoluminescence by aspherical air bubble collapse near liquid-metal microparticles. <i>Scientific Reports</i> , 2020, 10, 1501.	1.6	17
118	Interferometry using spatial adiabatic passage in quantum dot networks. <i>Physical Review B</i> , 2010, 81, .	1.1	16
119	Optically induced spin-to-charge transduction in donor-spin readout. <i>Physical Review B</i> , 2005, 72, .	1.1	15
120	Information Free Quantum Bus for Generating Stabiliser States. <i>Quantum Information Processing</i> , 2007, 6, 229-242.	1.0	15
121	Magnetic field-induced enhancement of the nitrogen-vacancy fluorescence quantum yield. <i>Nanoscale</i> , 2017, 9, 9299-9304.	2.8	15
122	Refractive index variation in a free-standing diamond thin film induced by irradiation with fully transmitted high-energy protons. <i>Scientific Reports</i> , 2017, 7, 385.	1.6	15
123	Single photon quantum non-demolition measurements in the presence of inhomogeneous broadening. <i>New Journal of Physics</i> , 2009, 11, 093005.	1.2	14
124	A little diamond goes a long way. <i>Nature Photonics</i> , 2010, 4, 202-203.	15.6	14
125	Spin Guides and Spin Splitters: Waveguide Analogies in One-Dimensional Spin Chains. <i>Physical Review Letters</i> , 2012, 108, 017207.	2.9	14
126	Adiabatic two-photon quantum gate operations using a long-range photonic bus. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 055503.	0.6	14

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127	High-speed quantum networking by ship. <i>Scientific Reports</i> , 2016, 6, 36163.	1.6	14
128	Dynamically reconfigurable plasmon resonances enabled by capillary oscillations of liquid-metal nanodroplets. <i>Physical Review A</i> , 2017, 96, .	1.0	14
129	Improved color constancy in honey bees enabled by parallel visual projections from dorsal ocelli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7713-7718.	3.3	14
130	Charge shelving and bias spectroscopy for the readout of a charge qubit on the basis of superposition states. <i>Physical Review B</i> , 2004, 70, .	1.1	13
131	Donor activation and damage in Si ¹⁶ SiO ₂ from low-dose, low-energy ion implantation studied via electrical transport in MOSFETs. <i>Semiconductor Science and Technology</i> , 2005, 20, 363-368.	1.0	13
132	Interferometry using adiabatic passage in dilute-gas Bose-Einstein condensates. <i>Physical Review A</i> , 2012, 86, .	1.0	13
133	Plasmonic nanoantenna hydrophones. <i>Scientific Reports</i> , 2016, 6, 32892.	1.6	13
134	Nanodiamond arrays on glass for quantification and fluorescence characterisation. <i>Scientific Reports</i> , 2017, 7, 9252.	1.6	13
135	Achieving arithmetic learning in honeybees and examining how individuals learn. <i>Communicative and Integrative Biology</i> , 2019, 12, 166-170.	0.6	13
136	Pulse shaping by coupled cavities: Single photons and qudits. <i>Physical Review A</i> , 2009, 80, .	1.0	12
137	Long-range coupling of silicon photonic waveguides using lateral leakage and adiabatic passage. <i>Optics Express</i> , 2013, 21, 22705.	1.7	12
138	Dark-state adiabatic passage with spin-one particles. <i>Physical Review A</i> , 2014, 90, .	1.0	12
139	Magnetic-field-dependent stimulated emission from nitrogen-vacancy centers in diamond. <i>Science Advances</i> , 2022, 8, .	4.7	12
140	Optical properties of single crystal diamond microfilms fabricated by ion implantation and lift-off processing. <i>Diamond and Related Materials</i> , 2012, 21, 16-23.	1.8	11
141	Spin coherent quantum transport of electrons between defects in diamond. <i>Nanophotonics</i> , 2019, 8, 1975-1984.	2.9	11
142	Near-Infrared Fluorescence from Silicon- and Nickel-Based Color Centers in High-Pressure High-Temperature Diamond Micro- and Nanoparticles. <i>Advanced Optical Materials</i> , 2020, 8, 2001047.	3.6	11
143	Optical Forces and Torques on Eccentric Nanoscale Core-Shell Particles. <i>ACS Photonics</i> , 2021, 8, 1103-1111.	3.2	11
144	Optical properties of neodymium ions in nanoscale regions of gallium nitride. <i>Optical Materials Express</i> , 2020, 10, 2614.	1.6	11

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145	Controlled phase gate for solid-state charge-qubit architectures. <i>Physical Review A</i> , 2005, 71, .	1.0	10
146	Robust charge-based qubit encoding. <i>Physical Review B</i> , 2005, 72, .	1.1	10
147	Very bright, near-infrared single photon emitters in diamond. <i>APL Materials</i> , 2013, 1, 032120.	2.2	10
148	Fluorescent Nanodiamonds Embedded in Poly- $\hat{\mu}$ -Caprolactone Fibers as Biomedical Scaffolds. <i>ACS Applied Nano Materials</i> , 2020, 3, 10814-10822.	2.4	10
149	Highly uniform polycrystalline diamond coatings of three-dimensional structures. <i>Surface and Coatings Technology</i> , 2021, 408, 126815.	2.2	10
150	Proximal nitrogen reduces the fluorescence quantum yield of nitrogen-vacancy centres in diamond. <i>New Journal of Physics</i> , 2022, 24, 033053.	1.2	10
151	The effect of gallium implantation on the optical properties of diamond. <i>Diamond and Related Materials</i> , 2013, 35, 47-52.	1.8	9
152	Synthesis of discrete phase-coherent optical spectra from nonlinear ultrasound. <i>Optics Express</i> , 2017, 25, 7496.	1.7	9
153	Modelling single electron transfer in Si:P double quantum dots. <i>Nanotechnology</i> , 2005, 16, 74-81.	1.3	8
154	Einstein, von Frisch and the honeybee: a historical letter comes to light. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2021, 207, 449-456.	0.7	8
155	Spectroscopy of a Cooper-pair box in the Autler-Townes configuration. <i>Physical Review B</i> , 2006, 74, .	1.1	7
156	Nanodiamond induced high-Q resonances in defect-free photonic crystal slabs. <i>Optics Express</i> , 2011, 19, 22219.	1.7	7
157	Nanodiamonds in Fabry-Perot cavities: a route to scalable quantum computing. <i>New Journal of Physics</i> , 2016, 18, 021002.	1.2	7
158	Acoustically tunable optical transmission through a subwavelength hole with a bubble. <i>Physical Review A</i> , 2017, 95, .	1.0	7
159	Strengths of dressed states transitions. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 1999, 1, 289-293.	1.4	6
160	Current suppression in a double-island single-electron transistor for detection of degenerate charge configurations of a floating double-dot. <i>Applied Physics Letters</i> , 2003, 83, 4640-4642.	1.5	6
161	Multiplexing single electron transistors for application in scalable solid-state quantum computing. <i>Applied Physics Letters</i> , 2007, 90, 043109.	1.5	6
162	Breaking time reversal symmetry with light. <i>Physics Magazine</i> , 2010, 3, .	0.1	6

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163	Quantum Bocce: Magnon-magnon collisions between propagating and bound states in 1D spin chains. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 1242-1249.	0.9	6
164	Guided magnon transport in spin chains: Transport speed and correcting for disorder. <i>Physical Review A</i> , 2015, 91, .	1.0	6
165	Atom-Photon Coupling from Nitrogen-vacancy Centres Embedded in Tellurite Microspheres. <i>Scientific Reports</i> , 2015, 5, 11486.	1.6	6
166	Guided magnonic Michelson interferometer. <i>Scientific Reports</i> , 2017, 7, 41472.	1.6	6
167	Surface-gate-defined single-electron transistor in a MoS ₂ bilayer. <i>Nanotechnology</i> , 2017, 28, 125203.	1.3	6
168	Quantum multilateration: Subdiffraction emitter pair localization via three spatially separate Hanbury Brown and Twiss measurements. <i>Physical Review A</i> , 2020, 101, .	1.0	6
169	Absorptive laser threshold magnetometry: combining visible diamond Raman lasers and nitrogen-vacancy centres. <i>Materials for Quantum Technology</i> , 2021, 1, 025003.	1.2	6
170	Single atom-scale diamond defect allows a large Aharonov-Casher phase. <i>Physical Review A</i> , 2009, 80, .	1.0	5
171	Hybrid Materials: Diamond in Tellurite Glass: a New Medium for Quantum Information (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 11.1 5	1.1	5
172	Parallel interaction-free measurement using spatial adiabatic passage. <i>New Journal of Physics</i> , 2011, 13, 125002.	1.2	5
173	Domain structures in quantum graphity. <i>Physical Review D</i> , 2012, 86, .	1.6	5
174	Transformation optics for cavity array metamaterials. <i>Optics Express</i> , 2013, 21, 5575.	1.7	5
175	Buried picolitre fluidic channels in single-crystal diamond. <i>Proceedings of SPIE</i> , 2013, , .	0.8	5
176	Negative refraction of excitations in the Bose-Hubbard model. <i>Physical Review A</i> , 2014, 90, .	1.0	5
177	Photoluminescence properties of praseodymium ions implanted into submicron regions in gallium nitride. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 051011.	0.8	5
178	Band structure and giant Stark effect in two-dimensional transition-metal dichalcogenides. <i>Electronic Structure</i> , 2019, 1, 015005.	1.0	5
179	Preferential coupling of diamond NV centres in step-index fibres. <i>Optics Express</i> , 2021, 29, 14425.	1.7	5
180	Two field nonlinear Faraday rotation in rubidium vapor in a Doppler-free geometry. <i>Optics Communications</i> , 2007, 276, 251-260.	1.0	4

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181	Quantum and classical chaos in kicked coupled Jaynes-Cummings cavities. <i>Physical Review A</i> , 2010, 81, .	1.0	4
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