

Lachlan J Rogers

List of Publications by Year in descending order

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35
papers

3,088
citations

304743

22
h-index

395702

33
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36
all docs

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docs citations

36
times ranked

2465
citing authors

#	ARTICLE	IF	CITATIONS
1	Absorptive laser threshold magnetometry: combining visible diamond Raman lasers and nitrogen-vacancy centres. <i>Materials for Quantum Technology</i> , 2021, 1, 025003.	3.1	6
2	Amplification by stimulated emission of nitrogen-vacancy centres in a diamond-loaded fibre cavity. <i>Nanophotonics</i> , 2020, 9, 4505-4518.	6.0	18
3	Discovery of ST1 centers in natural diamond. <i>Nanophotonics</i> , 2019, 8, 1993-2002.	6.0	12
4	Bayesian estimation of switching rates for blinking emitters. <i>New Journal of Physics</i> , 2019, 21, 063001.	2.9	3
5	Single Si - V Centers in Low-Strain Nanodiamonds with Bulklike Spectral Properties and Nanomanipulation Capabilities. <i>Physical Review Applied</i> , 2019, 11, .	3.8	34
6	Qudi: A modular python suite for experiment control and data processing. <i>SoftwareX</i> , 2017, 6, 85-90.	2.6	93
7	Optical and microwave control of germanium-vacancy center spins in diamond. <i>Physical Review B</i> , 2017, 96, .	3.2	125
8	Nanodiamonds carrying silicon-vacancy quantum emitters with almost lifetime-limited linewidths. <i>New Journal of Physics</i> , 2016, 18, 073036.	2.9	82
9	Robust light-controlled qubits. <i>Nature Photonics</i> , 2016, 10, 147-148.	31.4	1
10	Homoepitaxial diamond film growth: High purity, high crystalline quality, isotopic enrichment, and single color center formation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2365-2384.	1.8	68
11	Size-dependent luminescence of color centers in composite nanodiamonds. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2600-2605.	1.8	23
12	Spectroscopy of Surface-Induced Noise Using Shallow Spins in Diamond. <i>Physical Review Letters</i> , 2015, 114, 017601.	7.8	177
13	Singlet levels of the NV^{0} centre in diamond. <i>New Journal of Physics</i> , 2015, 17, 013048.	2.9	34
14	Electron-phonon processes of the silicon-vacancy centre in diamond. <i>New Journal of Physics</i> , 2015, 17, 043011.	2.9	203
15	Germanium-Vacancy Single Color Centers in Diamond. <i>Scientific Reports</i> , 2015, 5, 12882.	3.3	251
16	All-Optical Initialization, Readout, and Coherent Preparation of Single Silicon-Vacancy Spins in Diamond. <i>Physical Review Letters</i> , 2014, 113, 263602.	7.8	216
17	Multiple intrinsically identical single-photon emitters in the solid state. <i>Nature Communications</i> , 2014, 5, 4739.	12.8	232
18	Opportunity of single atom control for quantum processing in silicon and diamond. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Isotopically varying spectral features of silicon-vacancy in diamond. <i>New Journal of Physics</i> , 2014, 16, 113019.	2.9	85
20	Electronic structure of the negatively charged silicon-vacancy center in diamond. <i>Physical Review B</i> , 2014, 89, .	3.2	175
21	Array of bright silicon-vacancy centers in diamond fabricated by low-energy focused ion beam implantation. <i>Applied Physics Express</i> , 2014, 7, 115201.	2.4	73
22	Indistinguishable Photons from Separated Silicon-Vacancy Centers in Diamond. <i>Physical Review Letters</i> , 2014, 113, 113602.	7.8	333
23	Assignment of the NV center zero-phonon line in diamond to a 575-nm zero-phonon line in diamond to a $2E$ state. <i>Physical Review Letters</i> , 2010, 105, 157401.	3.2	12
24	Observation of the dynamic Jahn-Teller effect in the excited states of nitrogen-vacancy centers in diamond. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
25	Hole burning EPR studies of the NV centre in diamond. <i>Journal of Luminescence</i> , 2010, 130, 1659-1667.	3.1	9
26	How far into the infrared can a colour centre in diamond emit?. <i>Physics Procedia</i> , 2010, 3, 1557-1561.	1.2	9
27	NV electron spin and NV NS electron electron and electron-nuclear spin interaction in diamond. <i>Physics Procedia</i> , 2010, 3, 1569-1575.	1.2	36
28	Effects of magnetic field on the low temperature emission of nitrogen vacancy centres in diamond. <i>Physics Procedia</i> , 2010, 3, 1583-1589.	1.2	2
29	Key challenges for high-Q photonic circuits in diamond. , 2010, , .		0
30	Intrinsic properties of the NV center in diamond. , 2010, , .		2
31	Time-averaging within the excited state of the nitrogen-vacancy centre in diamond. <i>New Journal of Physics</i> , 2009, 11, 063007.	2.9	77
32	Observation of the Dynamic Jahn-Teller Effect in the Excited States of Nitrogen-Vacancy Centers in Diamond. <i>Physical Review Letters</i> , 2009, 103, 256404.	7.8	202
33	Low Temperature Studies of the Excited-State Structure of Negatively Charged Nitrogen-Vacancy Color Centers in Diamond. <i>Physical Review Letters</i> , 2009, 102, 195506.	7.8	197
34	Excited-state spectroscopy of single NV defects in diamond using optically detected magnetic resonance. <i>New Journal of Physics</i> , 2009, 11, 013017.	2.9	170
35	Infrared emission of the NV centre in diamond: Zeeman and uniaxial stress studies. <i>New Journal of Physics</i> , 2008, 10, 103024.	2.9	125