

# Adam P Dioguardi

## List of Publications by Citations

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37  
papers

516  
citations

13  
h-index

22  
g-index

43  
ext. papers

617  
ext. citations

3.5  
avg, IF

2.89  
L-index

#	Paper	IF	Citations
37	Bulk magnetic order in a two-dimensional Ni <sup>1+</sup> /Ni <sup>2+</sup> (d <sup>9</sup> /d <sup>8</sup> ) nickelate, isoelectronic with superconducting cuprates. <i>Physical Review Letters</i> , <b>2010</b> , 104, 206403	7.4	56
36	Coexistence of cluster spin glass and superconductivity in Ba(Fe(1-x)Co(x)) <sub>2</sub> As <sub>2</sub> for 0.060 ≤ x ≤ 0.071. <i>Physical Review Letters</i> , <b>2013</b> , 111, 207201	7.4	52
35	Evidence for filamentary superconductivity nucleated at antiphase domain walls in antiferromagnetic CaFe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	39
34	Long range order and two-fluid behavior in heavy electron materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E3067-73	11.5	37
33	Local magnetic inhomogeneities in Ba(Fe <sub>1-x</sub> Ni <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> as seen via A <sub>75</sub> s NMR. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	33
32	NMR Evidence for Inhomogeneous Nematic Fluctuations in BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 116, 107202	7.4	28
31	Critical spin dynamics in the antiferromagnet La <sub>4</sub> Ni <sub>3</sub> O <sub>8</sub> from La <sup>139</sup> nuclear magnetic resonance. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	28
30	Nuclear magnetic resonance as a probe of electronic states of Bi <sub>2</sub> Se <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	27
29	NMR evidence for inhomogeneous glassy behavior driven by nematic fluctuations in iron arsenide superconductors. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	25
28	Commensurate antiferromagnetism in CePt <sub>2</sub> In <sub>7</sub> , a nearly two-dimensional heavy fermion system. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	24
27	Low-energy spin dynamics in the antiferromagnetic phase of CaFe <sub>2</sub> As <sub>2</sub> . <i>New Journal of Physics</i> , <b>2009</b> , 11, 075004	2.9	24
26	NMR studies of pseudogap and electronic inhomogeneity in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8-x</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	17
25	Evolution of hyperfine parameters across a quantum critical point in CeRhIn <sub>5</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	15
24	Optically detected magnetic resonance of nitrogen vacancies in a diamond anvil cell using designer diamond anvils. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 221903	3.4	13
23	Nuclear magnetic resonance studies of pseudospin fluctuations in URu <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	13
22	Kondo liquid emergence and relocalization in the approach to antiferromagnetic ordering in CePt <sub>2</sub> In <sub>7</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	13
21	Identical spin fluctuations in Cu- and Co-doped BaFe <sub>2</sub> As <sub>2</sub> independent of electron doping. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	11

20	NMR study of nematic spin fluctuations in a detwinned single crystal of underdoped Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	10
19	Anomalous nuclear magnetic resonance spectra in Bi <sub>2</sub> Se <sub>3</sub> nanowires. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	8
18	NMR evidence for spin fluctuations in the bilayer nickelate La <sub>3</sub> Ni <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	7
17	Experimental Observation of Fluxon Diffusion in Josephson Rings. <i>Journal of Low Temperature Physics</i> , <b>2009</b> , 154, 41-54	1.3	7
16	Unconventional and conventional quantum criticalities in CeRh <sub>0.58</sub> Ir <sub>0.42</sub> In <sub>5</sub> . <i>Npj Quantum Materials</i> , <b>2018</b> , 3,	5	4
15	Synthesis and Thermal Stability Studies of CaFe <sub>4</sub> As <sub>3</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 3920-3925	2.3	4
14	Quasi-two-dimensional magnetic correlations in Ni <sub>2</sub> P <sub>2</sub> S <sub>6</sub> probed by P <sub>31</sub> NMR. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	4
13	Probing Onset of Coherence in CeIrIn <sub>5</sub> . <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 344, 012020	0.3	3
12	Self-Assembled Rolled-Up Microcoils for nL Microfluidics NMR Spectroscopy. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2000679	6.8	3
11	Unified phase diagram of F-doped LaFeAsO by means of NMR and NQR parameters. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
10	The normalized limit of detection in NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , <b>2021</b> , 332, 107037		2
9	Ground state and low-temperature magnetism of the quasi-two-dimensional honeycomb compound InCu <sub>2/3</sub> V <sub>1/3</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	1
8	Pu <sup>239</sup> nuclear magnetic resonance in the candidate topological insulator PuB <sub>4</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	1
7	Nuclear magnetic resonance investigation of the heavy fermion system Ce <sub>2</sub> CoAl <sub>7</sub> Ge <sub>4</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	1
6	NMR evidence of anisotropic Kondo liquid behavior in CeIrIn <sub>5</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	1
5	Investigating the Structure of Ce <sub>1-x</sub> La <sub>x</sub> CoIn <sub>5</sub> Using NQR. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 2141-2144	1.5	1
4	Nuclear Quadrupole Resonance in the Heavy Fermion Antiferromagnet CePt <sub>2</sub> In <sub>7</sub> . <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 344, 012027	0.3	1
3	Angular dependent <sup>75</sup> As NMR study of the electric field gradient in CaFe <sub>2</sub> As <sub>2</sub> . <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 025012	3.1	0

- 2 Local magnetic inhomogeneities observed via  $^{75}\text{As}$  NMR in  $\text{Ba}(\text{Fe}_{1-x}\text{Ni}_x)_2\text{As}_2$  with  $H_0$  c-axis. *Journal of Physics: Conference Series*, **2012**, 344, 012022 0.3 0
- 1 Nuclear Magnetic Resonance as a Probe of the Topological Insulator  $\text{Bi}_2\text{Se}_3$ . *Materials Research Society Symposia Proceedings*, **2014**, 1691, 25