G L Morgan

List of Publications by Year
in descending order

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45 papers	2,078 citations	279701 23 h-index	243529 44 g-index
46 all docs	46 docs citations	46 times ranked	1367 citing authors

#	Article	IF	Citations
1	Practical Free-Space Quantum Key Distribution over 1 km. Physical Review Letters, 1998, 81, 3283-3286.	2.9	256
2	Measurement of neutron total cross sections up to 560 MeV. Physical Review C, 2001, 63, .	1.1	181
3	Daylight Quantum Key Distribution over 1.6 km. Physical Review Letters, 2000, 84, 5652-5655.	2.9	159
4	Neutron total cross sections at intermediate energies. Physical Review C, 1993, 47, 237-247.	1.1	154
5	Quantum cryptography. Contemporary Physics, 1995, 36, 149-163.	0.8	121
6	Neutron spectrometryâ€”An essential tool for diagnosing implosions at the National Ignition Facility (invited). Review of Scientific Instruments, 2012, 83, 10D308.	0.6	117
7	The neutron imaging diagnostic at NIF (invited). Review of Scientific Instruments, 2012, 83, 10D317.	0.6	116
8	Target Plasma Formation for Magnetic Compression/Magnetized Target Fusion. Physical Review Letters, 1995, 75, 1953-1956.	2.9	101
9	Search for Resonance Structure in thenpTotal Cross Section below 800 MeV. Physical Review Letters, 1982, 49, 255-259.	2.9	77
10	Neutron-Helium Interaction. II. Angular Distributions and Phase Shifts from 0.2 to 7.0 MeV. Physical Review, 1968, 168, 1114-1130.	2.7	75
11	Shock Temperature Measurement Using Neutron Resonance Spectroscopy. Physical Review Letters, 2005, 94, 125504.	2.9	70
12	Free-space quantum-key distribution. Physical Review A, 1998, 57, 2379-2382.	1.0	67
13	Nuclear imaging of the fuel assembly in ignition experiments. Physics of Plasmas, 2013, 20, 056320.	0.7	65
14	Inadequacies of the Nonrelativistic3NHamiltonian in Describing then+dTotal Cross Section. Physical Review Letters, 1998, 81, 57-60.	2.9	48
15	Quantum Cryptography over Underground Optical Fibers. Lecture Notes in Computer Science, 1996, , 329-342.	1.0	46
16	Nuclear diagnostics for the National Ignition Facility (invited). Review of Scientific Instruments, 2001, 72, 773-779.	0.6	39
17	Observation of dâ€“t fusion gamma rays (invited). Review of Scientific Instruments, 2003, 74, 1837-1841.	0.6	35
18	First results of pinhole neutron imaging for inertial confinement fusion. Review of Scientific Instruments, 2003, 74, 2690-2694.	0.6	33

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19	Development of a neutron imaging diagnostic for inertial confinement fusion experiments. Review of Scientific Instruments, 2001, 72, 865-868.	0.6	31
20	Neutron-Helium Interaction. I. Scattering of Polarized Neutrons at 1.01 and 2.44 MeV. Physical Review, 1968, 168, 1102-1113.	2.7	28
21	Measurement of the branching ratioH3(d,Î³)/3H(d,n) using thick tritium gas targets. Physical Review C, 1986, 33, 1224-1227.	1.1	25
22	The influence of asymmetry on mix in direct-drive inertial confinement fusion experiments. Physics of Plasmas, 2004, 11, 2771-2777.	0.7	25
23	Progress on neutron pinhole imaging for inertial confinement fusion experiments. Review of Scientific Instruments, 2004, 75, 3572-3574.	0.6	24
24	Polarization of Neutrons fromC12+dfor Deuteron Energies from 3.9 to 5 MeV. Physical Review, 1966, 150, 830-835.	2.7	23
25	Importance of isovector effects in reproducing neutron total cross section differences in the W isotopes. Physical Review C, 2003, 67, .	1.1	23
26	Neutron-Induced Gamma-Ray Production in Iron for the Energy Range 0.8 â‰ˆ E_n â‰ˆ 20 MeV. Nuclear Science and Engineering, 1973, 50, 311-336.	0.5	19
27	Goals for and design of a neutron pinhole imaging system for ignition capsules. Review of Scientific Instruments, 2003, 74, 1705-1708.	0.6	19
28	ICF ignition capsule neutron, gamma ray, and high energy x-ray images. Review of Scientific Instruments, 2003, 74, 1824-1827.	0.6	15
29	Uranium-238 Inelastic Neutron Scattering at 82 keV. Nuclear Science and Engineering, 1981, 78, 147-153.	0.5	14
30	Spin-Dependent Observables for theC12(p,pâ€²Î³)Reaction at 400 MeV. Physical Review Letters, 1988, 61, 1174-1177.	2.9	10
31	Modeling the National Ignition Facility neutron imaging system. Review of Scientific Instruments, 2010, 81, 10D335.	0.6	10
32	Fermi and Gamow-Teller strength inp-shell nuclei from (p,n) reactions at 492 and 590 MeV. Physical Review C, 1989, 39, 1929-1934.	1.1	8
33	Neutron imaging at the NIF. European Physical Journal Special Topics, 2006, 133, 913-918.	0.2	8
34	Majority-Logic NE-110 Detector for keV Neutrons. IEEE Transactions on Nuclear Science, 1985, 32, 367-372.	1.2	6
35	The 27.3 meter neutron time-of-flight system for the National Ignition Facility. Proceedings of SPIE, 2013, , .	0.8	6
36	Neutron imaging for inertial confinement fusion experiments. Proceedings of SPIE, 2007, , .	0.8	4

#	Article	IF	Citations
37	Neutron imaging development for megajoule scale inertial confinement fusion experiments¹. Journal of Physics: Conference Series, 2008, 112, 032078.	0.3	4
38	Si28(n,nâ€²Î³)photon production cross sections forEÎ³=1.78MeV,5.0<~En<~9.5MeV. Physical Review C, 1974, 10, 958-960.	1.1	3
39	Nuclear orientation studies of rare-earth metals. Hyperfine Interactions, 1981, 10, 1171-1173.	0.2	3
40	Buttleret al.Reply:. Physical Review Letters, 1999, 83, 2477-2477.	2.9	3
41	Neutron-Helium Interaction. II. Angular Distributions and Phase Shifts from 0.2 to 7.0 MeV. Physical Review C, 1970, 2, 2034-2035.	1.1	2
42	Measurement and Analysis of the 23Na(n,xÎ³) Reaction Cross Section for 0.2 â‰¤ En â‰¤20 MeV. Nuclear Science and Engineering, 1980, 75, 151-158.	0.5	2
43	A spatially resolved ion temperature diagnostic for the National Ignition Facility. Review of Scientific Instruments, 2008, 79, 10E537.	0.6	2
44	Neutron-Helium Interaction. II. Angular Distributions and Phase Shifts from 0.2 to 7.0 MeV. Physical Review, 1969, 185, 1598-1598.	2.7	1
45	The Use of a Small Accelerator as a Source of 14-MeV Neutrons for Shielding Studies. IEEE Transactions on Nuclear Science, 1981, 28, 1647-1649.	1.2	0