Andrew D Jackson

List of Publications by Year
in descending order

38 papers	2,968 citations	430442 18 h-index	329751 37 g-index
39 all docs	39 docs citations	39 times ranked	1623 citing authors

#	Article	IF	Citations
1	On soliton propagation in biomembranes and nerves. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9790-9795.	3.3	449
2	Matrix elements of the nucleon-nucleon potential for use in nuclear-structure calculations. Nuclear Physics A, 1968, 121, 241-278.	0.6	330
3	Measures for measures. Nature, 2006, 444, 1003-1004.	13.7	232
4	Baryons as Chiral Solitons. Physical Review Letters, 1983, 51, 751-754.	2.9	223
5	Solitary waves in clouds of Bose-Einstein condensed atoms. Physical Review A, 1998, 58, 2417-2422.	1.0	184
6	Isobars, transition potentials and short-range repulsion in the nucleon-nucleon interaction. Nuclear Physics A, 1977, 278, 445-476.	0.6	166
7	The skyrmion-skyrmion interaction. Nuclear Physics A, 1985, 432, 567-609.	0.6	133
8	Meson exchange model for the nucleon-nucleon interaction. Nuclear Physics A, 1975, 249, 397-444.	0.6	132
9	Variational and perturbation theories made planar. Physics Reports, 1982, 86, 55-111.	10.3	131
10	The Thermodynamics of General Anesthesia. Biophysical Journal, 2007, 92, 3159-3165.	0.2	130
11	Towards a thermodynamic theory of nerve pulse propagation. Progress in Neurobiology, 2009, 88, 104-113.	2.8	129
12	Nucleon-nucleon potential and minimal relativity. Nuclear Physics A, 1969, 133, 481-492.	0.6	127
13	Dense skyrmion systems. Nuclear Physics A, 1989, 501, 801-812.	0.6	117
14	Simple Model of Self-Organized Biological Evolution. Physical Review Letters, 1994, 73, 906-909.	2.9	105
15	ON THE ACTION POTENTIAL AS A PROPAGATING DENSITY PULSE AND THE ROLE OF ANESTHETICS. Biophysical Reviews and Letters, 2007, 02, 57-78.	0.9	93
16	A quantitative analysis of indicators of scientific performance. Scientometrics, 2008, 76, 369-390.	1.6	80
17	Periodic solutions and refractory periods in the soliton theory for nerves and the locust femoral nerve. Biophysical Chemistry, 2011, 153, 159-167.	1.5	41
18	On the time lags of the LIGO signals. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 013-013.	1.9	23

#	Article	IF	Citations
19	The free energy of biomembrane and nerve excitation and the role of anesthetics. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2145-2153.	1.4	17
20	Degeneracy of gravitational waveforms in the context of GW150914. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 007-007.	1.9	14
21	Understanding the LIGO GW150914 event. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 029-029.	1.9	13
22	Possible associated signal with GW150914 in the LIGO data. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 014-014.	1.9	12
23	A blind search for a common signal in gravitational wave detectors. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 013-013.	1.9	12
24	The Kullback-Leibler divergence as an estimator of the statistical properties of CMB maps. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 051-051.	1.9	11
25	Fluctuations of systems in finite heat reservoirs with applications to phase transitions in lipid membranes. Journal of Chemical Physics, 2013, 139, 125101.	1.2	10
26	Skewness and kurtosis as indicators of non-Gaussianity in galactic foreground maps. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 019-019.	1.9	10
27	Low-Frequency Sound Propagation in Lipid Membranes. Behavior Research Methods, 2012, , 51-74.	2.3	7
28	Noise residuals for GW150914 using maximum likelihood and numerical relativity templates. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 014-014.	1.9	7
29	Brownian Warps for Non-Rigid Registration. Journal of Mathematical Imaging and Vision, 2008, 31, 221-231.	0.8	6
30	Statistics of trajectories in two-state master equations. Physical Review E, 2009, 79, 021121.	0.8	4
31	Skyrmions and the nucleon-nucleon interaction. Nuclear Physics A, 1985, 434, 651-658.	0.6	2
32	Dinotor model for anomalous nuclei. Annals of Physics, 1986, 172, 371-418.	1.0	2
33	Sound Propagation in Lipid Membranes. Biophysical Journal, 2013, 104, 549a.	0.2	2
34	Comment on â€œOn biological signalingâ€•by G. Nimtz and H. Aichmann, Z. Naturforsch. 75a: 507â€“509, 2020. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 933-935.	0.7	2
35	Comment: Citation Statistics. Statistical Science, 2009, 24, .	1.6	1
36	Reply to â€œComment on â€˜Penetration of Action Potentials During Collision in the Median and Lateral Giant Axons of Invertebratesâ€â€™. Physical Review X, 2017, 7, .	2.8	1

#	Article	IF	Citations
37	The role of redundancy in blind signal estimation for multiple gravitational wave detectors. International Journal of Modern Physics D, 2019, 28, 1930009.	0.9	1
38	The Once and Future Nuclear Many-Body Problem. , 1992, , 1-14.		0