

Andrew D Jackson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

2,567
citations

18
h-index

39
g-index

39
ext. papers

2,758
ext. citations

5.8
avg, IF

4.74
L-index

#	Paper	IF	Citations
38	On soliton propagation in biomembranes and nerves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9790-5	11.5	338
37	Matrix elements of the nucleon-nucleon potential for use in nuclear-structure calculations. <i>Nuclear Physics A</i> , 1968 , 121, 241-278	1.3	320
36	Baryons as Chiral Solitons. <i>Physical Review Letters</i> , 1983 , 51, 751-754	7.4	213
35	Measures for measures. <i>Nature</i> , 2006 , 444, 1003-4	50.4	187
34	Solitary waves in clouds of Bose-Einstein condensed atoms. <i>Physical Review A</i> , 1998 , 58, 2417-2422	2.6	173
33	Isobars, transition potentials and short-range repulsion in the nucleon-nucleon interaction. <i>Nuclear Physics A</i> , 1977 , 278, 445-476	1.3	161
32	Meson exchange model for the nucleon-nucleon interaction. <i>Nuclear Physics A</i> , 1975 , 249, 397-444	1.3	129
31	Nucleon-nucleon potential and minimal relativity. <i>Nuclear Physics A</i> , 1969 , 133, 481-492	1.3	122
30	Variational and perturbation theories made planar. <i>Physics Reports</i> , 1982 , 86, 55-111	27.7	121
29	The thermodynamics of general anesthesia. <i>Biophysical Journal</i> , 2007 , 92, 3159-65	2.9	108
28	Towards a thermodynamic theory of nerve pulse propagation. <i>Progress in Neurobiology</i> , 2009 , 88, 104-131	10.9	104
27	Dense skyrmion systems. <i>Nuclear Physics A</i> , 1989 , 501, 801-812	1.3	102
26	The skyrmion-skyrmion interaction. <i>Nuclear Physics A</i> , 1985 , 432, 567-609	1.3	101
25	Simple model of self-organized biological evolution. <i>Physical Review Letters</i> , 1994 , 73, 906-909	7.4	96
24	ON THE ACTION POTENTIAL AS A PROPAGATING DENSITY PULSE AND THE ROLE OF ANESTHETICS. <i>Biophysical Reviews and Letters</i> , 2007 , 02, 57-78	1.2	74
23	A quantitative analysis of indicators of scientific performance. <i>Scientometrics</i> , 2008 , 76, 369-390	3	72
22	Periodic solutions and refractory periods in the soliton theory for nerves and the locust femoral nerve. <i>Biophysical Chemistry</i> , 2011 , 153, 159-67	3.5	33

21	On the time lags of the LIGO signals. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 013-013	6.4	18
20	Understanding the LIGO GW150914 event. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 029-029	6.4	11
19	The free energy of biomembrane and nerve excitation and the role of anesthetics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 2145-2153	3.8	10
18	Possible associated signal with GW150914 in the LIGO data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 014-014	6.4	10
17	Degeneracy of gravitational waveforms in the context of GW150914. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 007-007	6.4	9
16	Fluctuations of systems in finite heat reservoirs with applications to phase transitions in lipid membranes. <i>Journal of Chemical Physics</i> , 2013 , 139, 125101	3.9	9
15	The Kullback-Leibler divergence as an estimator of the statistical properties of CMB maps. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 051-051	6.4	8
14	A blind search for a common signal in gravitational wave detectors. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 013-013	6.4	7
13	Brownian Warps for Non-Rigid Registration. <i>Journal of Mathematical Imaging and Vision</i> , 2008 , 31, 221-231	3.6	6
12	Skewness and kurtosis as indicators of non-Gaussianity in galactic foreground maps. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 019-019	6.4	5
11	Low-Frequency Sound Propagation in Lipid Membranes. <i>Behavior Research Methods</i> , 2012 , 51-74	6.1	4
10	Statistics of trajectories in two-state master equations. <i>Physical Review E</i> , 2009 , 79, 021121	2.4	4
9	Noise residuals for GW150914 using maximum likelihood and numerical relativity templates. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 014-014	6.4	3
8	Thermodynamics of the Nervous Impulse 2014 , 317-339		3
7	Skyrmions and the nucleon-nucleon interaction. <i>Nuclear Physics A</i> , 1985 , 434, 651-658	1.3	2
6	Reply to Comment on Penetration of Action Potentials During Collision in the Median and Lateral Giant Axons of Invertebrates <i>Physical Review X</i> , 2017 , 7,	9.1	1
5	Comment: Citation Statistics. <i>Statistical Science</i> , 2009 , 24,	2.4	1
4	Dinotor model for anomalous nuclei. <i>Annals of Physics</i> , 1986 , 172, 371-418	2.5	1

- 3 Comment on On biological signaling by G. Nimtz and H. Aichmann, *Z. Naturforsch.* 75a: 507-509, 2020. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2020**, 75, 933-935 1.4 ○
- 2 The role of redundancy in blind signal estimation for multiple gravitational wave detectors. *International Journal of Modern Physics D*, **2019**, 28, 1930009 2.2
- 1 The Once and Future Nuclear Many-Body Problem **1992**, 1-14