

Anthony William Thomas

List of Publications by Year in Descending Order

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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.

656
papers

18,303
citations

69
h-index

101
g-index

729
ext. papers

19,598
ext. citations

3.8
avg, IF

6.83
L-index

#	Paper	IF	Citations
656	The role of baryon structure in neutron stars. <i>Modern Physics Letters A</i> , 2022 , 37,	1.3	3
655	Effect of the pion field on the distributions of pressure and shear in the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 829, 137136	4.2	0
654	Improved treatment of dark matter capture in neutron stars III: nucleon and exotic targets. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 056	6.4	4
653	Possible nature of dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 086	6.4	0
652	On the sound speed in hyperonic stars. <i>Nuclear Physics A</i> , 2021 , 1009, 122157	1.3	5
651	Hamiltonian effective field theory in elongated or moving finite volume. <i>Physical Review D</i> , 2021 , 103,	4.9	2
650	Study of new flow field geometries to enhance water redistribution and pressure head losses reduction within PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 7489-7501	6.7	3
649	Hybrid stars with hyperons and strange quark matter 2021 ,		1
648	An experimental program with high duty-cycle polarized and unpolarized positron beams at Jefferson Lab. <i>European Physical Journal A</i> , 2021 , 57, 1	2.5	3
647	Nucleon Structure and Strong Interactions in Dark Matter Capture in Neutron Stars. <i>Physical Review Letters</i> , 2021 , 127, 111803	7.4	9
646	Censored expectation maximization algorithm for mixtures: Application to intertrade waiting times. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 587, 126456	3.3	
645	On-surface chemistry using local high electric fields. <i>Nanoscale Advances</i> , 2021 , 3, 5565-5569	5.1	1
644	Equation of state of hot dense hyperonic matter in the Quark-Meson-Coupling (QMC-A) model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 3476-3490	4.3	15
643	Isvector EMC Effect from Global QCD Analysis with MARATHON Data.. <i>Physical Review Letters</i> , 2021 , 127, 242001	7.4	2
642	$\bar{\Lambda}$ -nucleus bound states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 811, 135882	4.2	1
641	Tensor and pairing interactions within the quark-meson coupling energy-density functional. <i>Physical Review C</i> , 2020 , 102,	2.7	4
640	Do Short-Range Correlations Cause the Nuclear EMC Effect in the Deuteron?. <i>Physical Review Letters</i> , 2020 , 125, 262002	7.4	2

639	Predicting the SUSY breaking scale in SUGRA models with degenerate vacua. <i>International Journal of Modern Physics A</i> , 2020 , 35, 2050007	1.2	1
638	E6 Inspired Composite Higgs Model and Baryon Asymmetry Generation. <i>Physics of Particles and Nuclei</i> , 2020 , 51, 709-713	0.7	1
637	Significance of lower energy density region of neutron star and universalities among neutron star properties. <i>Journal of Physics: Conference Series</i> , 2020 , 1643, 012066	0.3	1
636	Exploring the latest quark-meson coupling model for finite nuclei. <i>Journal of Physics: Conference Series</i> , 2020 , 1643, 012161	0.3	
635	Refined analysis on the parton distribution functions of the proton. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020 , 47, 015102	2.9	1
634	An improved hadronic model for pion electroproduction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 807, 135581	4.2	3
633	Kaonic hydrogen and deuterium in Hamiltonian effective field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135652	4.2	2
632	Partial-wave mixing in Hamiltonian effective field theory. <i>Physical Review D</i> , 2020 , 101,	4.9	5
631	Neutron stars from crust to core within the Quark-meson coupling model. <i>EPJ Web of Conferences</i> , 2020 , 232, 03001	0.3	1
630	Outer crust of a cold, nonaccreting neutron star within the quark-meson-coupling model. <i>Physical Review C</i> , 2020 , 102,	2.7	1
629	Do Delta baryons play a role in neutron stars?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 802, 135266	4.2	10
628	Exposing novel quark and gluon effects in nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019 , 46, 093001	2.9	15
627	Flavor symmetry breaking in the Ξ cc. <i>Physical Review D</i> , 2019 , 100,	4.9	2
626	Isovector Effects in Neutron Stars, Radii, and the GW170817 Constraint. <i>Astrophysical Journal</i> , 2019 , 878, 159	4.7	13
625	Physics of even-even superheavy nuclei with 96. <i>Physical Review C</i> , 2019 , 100,	2.7	13
624	Parameter optimization for the latest quark-meson coupling energy-density functional. <i>Physical Review C</i> , 2019 , 100,	2.7	8
623	Parton distributions from nonlocal chiral SU(3) effective theory: Splitting functions. <i>Physical Review D</i> , 2019 , 99,	4.9	9
622	Cosmological Constant in SUGRA Models with Degenerate Vacua. <i>Universe</i> , 2019 , 5, 214	2.5	

621	Model dependence of the pion form factor extracted from pion electroproduction. <i>Physical Review C</i> , 2019 , 100,	2.7	2
620	Roles of crust and core in the tidal deformability of neutron stars. <i>International Journal of Modern Physics E</i> , 2019 , 28, 1950081	0.7	2
619	Parton distributions from nonlocal chiral SU(3) effective theory: Flavor asymmetries. <i>Physical Review D</i> , 2019 , 100,	4.9	1
618	Effect of immersion time at the stainless steel 304L/NaCl (0.01 M) interface. <i>Journal of Electrochemical Science and Engineering</i> , 2019 , 9, 99-111	1.9	
617	Nuclear-bound quarkonia and heavy-flavor hadrons. <i>Progress in Particle and Nuclear Physics</i> , 2018 , 100, 161-210	10.6	39
616	Growth of Dihydro-tetraazapentacene Layers on Cu(110). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10828-10834	2.8	34
615	The Weibull distribution. <i>Significance</i> , 2018 , 15, 10-11	0.5	5
614	Implications of neutron star properties for the existence of light dark matter. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018 , 45, 05LT01	2.9	37
613	Quark-Meson-Coupling (QMC) model for finite nuclei, nuclear matter and beyond. <i>Progress in Particle and Nuclear Physics</i> , 2018 , 100, 262-297	10.6	30
612	Growth morphologies of dihydro-tetraaza-acenes on c-plane sapphire. <i>Surface Science</i> , 2018 , 678, 128-135	1.5	4
611	Polarized EMC effect in the QMC model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 783, 247-252	4.2	4
610	Dihadron fragmentation functions in the quark-jet model: Transversely polarized quarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
609	Semi-inclusive back-to-back production of a hadron pair and a single hadron in e^+e^- annihilation. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
608	Frequent identification of an electrochemical cell impedance using fractional modeling. <i>IFAC-PapersOnLine</i> , 2018 , 51, 802-807	0.7	2
607	Chiral Corrections to Baryon Electromagnetic Form Factors. <i>Few-Body Systems</i> , 2018 , 59, 1	1.6	
606	Structure of the Nucleon and its Excitations. <i>EPJ Web of Conferences</i> , 2018 , 175, 06019	0.3	1
605	Reflections on the origin of the EMC effect. <i>International Journal of Modern Physics E</i> , 2018 , 27, 1840001	0.7	4
604	Structure of the Roper resonance from lattice QCD constraints. <i>Physical Review D</i> , 2018 , 97,	4.9	11

603	Neutron to dark matter decay in neutron stars. <i>International Journal of Modern Physics A</i> , 2018 , 33, 1844020	4.2	3
602	Charge symmetry breaking effects in pion and kaon structure. <i>Physical Review C</i> , 2018 , 97,	2.7	4
601	Semi-inclusive production of two back-to-back hadron pairs in $e+e$ annihilation revisited. <i>Physical Review D</i> , 2018 , 97,	4.9	6
600	Accessing Quark Helicity through Dihadron Studies. <i>Physical Review Letters</i> , 2018 , 120, 252001	7.4	4
599	η meson mass and decay width in nuclear matter and nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 113-118	4.2	15
598	Nucleon resonance structure in the finite volume of lattice QCD. <i>Physical Review D</i> , 2017 , 95,	4.9	7
597	Dihadron fragmentation functions in the quark-jet model: Longitudinally polarized quarks. <i>Physical Review D</i> , 2017 , 96,	4.9	5
596	Hamiltonian effective field theory study of the $N^*(1440)$ resonance in lattice QCD. <i>Physical Review D</i> , 2017 , 95,	4.9	27
595	Dark energy density in SUGRA models and degenerate vacua. <i>International Journal of Modern Physics A</i> , 2017 , 32, 1730013	1.2	2
594	Monte Carlo implementation of polarized hadronization. <i>Physical Review D</i> , 2017 , 95,	4.9	7
593	Structure of the $\Omega(1405)$ from Hamiltonian effective field theory. <i>Physical Review D</i> , 2017 , 95,	4.9	24
592	Dark matter candidates in the constrained exceptional supersymmetric standard model. <i>Physical Review D</i> , 2017 , 95,	4.9	12
591	Partial restoration of chiral symmetry in cold nuclear matter: the η -meson case. <i>Journal of Physics: Conference Series</i> , 2017 , 912, 012009	0.3	0
590	Lambda beta-decay in-medium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 773, 332-335	4.2	1
589	η -meson nucleus bound states. <i>Physical Review C</i> , 2017 , 96,	2.7	9
588	Light-quark contributions to the magnetic form factor of the $\Omega(1405)$. <i>Physical Review D</i> , 2017 , 95,	4.9	8
587	Search for low-lying lattice QCD eigenstates in the Roper regime. <i>Physical Review D</i> , 2017 , 95,	4.9	18
586	Baryon asymmetry generation in the E6CHM. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 123-129	4.2	5

585	LHC signatures of neutral pseudo-Goldstone boson in the E 6CHM. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017 , 44, 075003	2.9	6
584	Superheavy Nuclei in the Quark-Meson-Coupling Model. <i>EPJ Web of Conferences</i> , 2017 , 163, 00057	0.3	8
583	Reactions of exotic nuclei with the quark-meson coupling model. <i>EPJ Web of Conferences</i> , 2017 , 163, 00036	0.3	1
582	Hybrid stars using the quark-meson coupling and proper-time Nambu-Jona-Lasinio models. <i>Physical Review C</i> , 2016 , 93,	2.7	22
581	Spin of the proton in chiral effective field theory. <i>Physical Review C</i> , 2016 , 93,	2.7	9
580	Relativistic and Nuclear Medium Effects on the Coulomb Sum Rule. <i>Physical Review Letters</i> , 2016 , 116, 032701	7.4	19
579	Hamiltonian Effective Field Theory Study of the $N^*(1535)$ Resonance in Lattice QCD. <i>Physical Review Letters</i> , 2016 , 116, 082004	7.4	33
578	Finite Nuclei in the Quark-Meson Coupling Model. <i>Physical Review Letters</i> , 2016 , 116, 092501	7.4	37
577	Inelastic WIMP-nucleus scattering to the first excited state in ^{125}Te . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016 , 43, 115002	2.9	5
576	Strange-quark asymmetry in the proton in chiral effective theory. <i>Physical Review D</i> , 2016 , 94,	4.9	15
575	Quark-jet model for transverse momentum dependent fragmentation functions. <i>Physical Review D</i> , 2016 , 94,	4.9	7
574	Flavor dependence of the pion and kaon form factors and parton distribution functions. <i>Physical Review C</i> , 2016 , 94,	2.7	21
573	Universal behaviour in the stock market: Time dynamics of the electronic orderbook. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 2501-2512	2.3	4
572	Baryon octet electromagnetic form factors in a confining NJL model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 178-183	4.2	14
571	Goodness-of-fit Testing for Left-truncated Two-parameter Weibull Distributions with Known Truncation Point. <i>Austrian Journal of Statistics</i> , 2016 , 45, 15-42	1.1	4
570	QCD and a new paradigm for nuclear structure. <i>EPJ Web of Conferences</i> , 2016 , 123, 01003	0.3	6
569	Finite-Volume Hamiltonian Method for π Scattering in Lattice QCD 2016 ,		1
568	E6inspired composite Higgs model and 750 GeV diphoton excess. <i>EPJ Web of Conferences</i> , 2016 , 125, 02021	0.3	4

567	Solar neutrinos as background in dark matter searches involving electron detection. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016 , 43, 07LT01	2.9	1
566	Bottom quark contribution to spin-dependent dark matter detection. <i>Nuclear Physics B</i> , 2016 , 906, 60-76.	2.8	3
565	Electromagnetic contribution to charge symmetry violation in parton distributions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 595-599	4.2	2
564	Quark-hadron duality constraints on α box corrections to parity-violating elastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 221-226	4.2	15
563	Quark-hadron coupling model based upon the Nambu-Goldstone-Lasinio model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 467-472	4.2	4
562	Constraints on the spin asymmetry of the proton in chiral effective theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 52-56	4.2	13
561	On the smallness of the cosmological constant. <i>Nuclear and Particle Physics Proceedings</i> , 2016 , 273-275, 1465-1470	0.4	3
560	Study of kaon decay to two pions. <i>Physical Review D</i> , 2015 , 91,	4.9	2
559	Electromagnetic contribution to the proton-neutron mass splitting. <i>Physical Review C</i> , 2015 , 91,	2.7	16
558	Lattice QCD evidence that the $\Lambda(1405)$ resonance is an antikaon-nucleon molecule. <i>Physical Review Letters</i> , 2015 , 114, 132002	7.4	94
557	Determination of the strange nucleon form factors. <i>Physical Review Letters</i> , 2015 , 114, 091802	7.4	15
556	Goodness-of-fit tests and applications for left-truncated Weibull distributions to non-life insurance. <i>European Actuarial Journal</i> , 2015 , 5, 139-163	0.7	2
555	ρ meson form factors in a confining Nambu-Goldstone-Lasinio model. <i>Physical Review C</i> , 2015 , 92,	2.7	14
554	Charge symmetry violation in the electromagnetic form factors of the nucleon. <i>Physical Review D</i> , 2015 , 91,	4.9	5
553	Pure sea-quark contributions to the magnetic form factors of Σ baryons. <i>Physical Review D</i> , 2015 , 92,	4.9	8
552	Predictions for Sivers single spin asymmetries in one- and two-hadron electroproduction at CLAS12 and EIC. <i>Physical Review D</i> , 2015 , 92,	4.9	7
551	SU(3) breaking in hyperon transition vector form factors. <i>Physical Review D</i> , 2015 , 92,	4.9	3
550	E6 inspired composite Higgs model. <i>Physical Review D</i> , 2015 , 92,	4.9	10

549	Pion valence-quark parton distribution function. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 547-550	4.2	12
548	Polarization of top quark as a probe of its chromomagnetic and chromoelectric couplings in $t\bar{t}$ production at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	15
547	Sivers Effect in Dihadron Electroproduction. <i>EPJ Web of Conferences</i> , 2015 , 85, 02026	0.3	1
546	Strange magnetic form factor of the nucleon in a chiral effective model at next to leading order. <i>Physical Review D</i> , 2014 , 89,	4.9	20
545	Magnetic form factors of the octet baryons from lattice QCD and chiral extrapolation. <i>Physical Review D</i> , 2014 , 89,	4.9	38
544	Electric form factors of the octet baryons from lattice QCD and chiral extrapolation. <i>Physical Review D</i> , 2014 , 90,	4.9	29
543	Momentum transfer dependence of the proton's electric and magnetic polarizabilities. <i>Physical Review D</i> , 2014 , 89,	4.9	3
542	Cosmological constant in SUGRA models with Planck scale SUSY breaking and degenerate vacua. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 737, 167-171	4.2	7
541	Hadronic \mathbb{Z} box corrections in Møller scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 731, 287-292	4.2	5
540	Studies of azimuthal modulations in two hadron fragmentation of a transversely polarised quark. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 731, 208-216	4.2	18
539	The Effect of Vector Meson Decays on Dihadron Fragmentation Functions. <i>EPJ Web of Conferences</i> , 2014 , 66, 06014	0.3	5
538	Updated Analysis of the Mass of the H Dibaryon from Lattice QCD 2014 ,		1
537	A vision of hadronic physics. <i>EPJ Web of Conferences</i> , 2014 , 73, 01018	0.3	1
536	Progress in resolving charge symmetry violation in nucleon structure. <i>International Journal of Modern Physics E</i> , 2014 , 23, 1461010	0.7	
535	SU(3)-flavor breaking in octet baryon masses and axial couplings. <i>Physical Review C</i> , 2014 , 90,	2.7	17
534	Dispersive estimate of the electromagnetic charge symmetry violation in the octet baryon masses. <i>Physical Review C</i> , 2014 , 90,	2.7	18
533	QCD Symmetries in η and η' -Mesic Nuclei. <i>Acta Physica Polonica B</i> , 2014 , 45, 627	1.9	21
532	Sivers effect in two-hadron electroproduction. <i>Physical Review Letters</i> , 2014 , 113, 062003	7.4	10

531	Sivers effect in dihadron semi-inclusive deep inelastic scattering. <i>Physical Review D</i> , 2014 , 90,	4.9	7
530	Role of diquark correlations and the pion cloud in nucleon elastic form factors. <i>Physical Review C</i> , 2014 , 90,	2.7	49
529	Finite-volume Hamiltonian method for coupled-channels interactions in lattice QCD. <i>Physical Review C</i> , 2014 , 90,	2.7	29
528	Quark-meson coupling model, nuclear matter constraints, and neutron star properties. <i>Physical Review C</i> , 2014 , 89,	2.7	39
527	Fractional Poisson processes and their representation by infinite systems of ordinary differential equations. <i>Statistics and Probability Letters</i> , 2014 , 84, 27-32	0.6	10
526	Finite-volume matrix Hamiltonian model for a ΞN system. <i>Physical Review D</i> , 2013 , 87,	4.9	34
525	Production of Ξ Hypernuclei via the $(K \rightarrow K^+) \Xi$ Reaction in a Quark-Meson Coupling Model. <i>Few-Body Systems</i> , 2013 , 54, 1271-1274	1.6	2
524	Strange Quarks and Lattice QCD. <i>Few-Body Systems</i> , 2013 , 54, 123-128	1.6	6
523	Structure and Coulomb dissociation of ${}^230\text{O}$ within the quark-meson coupling model. <i>Nuclear Physics A</i> , 2013 , 913, 116-126	1.3	6
522	Charge symmetry breaking from a chiral extrapolation of moments of quark distribution functions. <i>Physical Review D</i> , 2013 , 87,	4.9	6
521	Octet spin fractions and the proton spin problem. <i>Physical Review Letters</i> , 2013 , 110, 202001	7.4	11
520	Strong contribution to octet baryon mass splittings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1148-1153	4.2	12
519	Octet baryon electromagnetic form factors in nuclear medium. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013 , 40, 015102	2.9	42
518	SU(3) chiral perturbation theory expansion of moments of quark distributions. <i>Physical Review D</i> , 2013 , 87,	4.9	3
517	Comment on "Taming the pion cloud of the nucleon". <i>Physical Review Letters</i> , 2013 , 110, 179101	7.4	10
516	Pion momentum distributions in the nucleon in chiral effective theory. <i>Physical Review D</i> , 2013 , 87,	4.9	30
515	Dihadron fragmentation functions within the Nambu-Jona-Lasinio jet model. <i>Physical Review D</i> , 2013 , 88,	4.9	15
514	Sigma terms from an SU(3) chiral extrapolation. <i>Physical Review D</i> , 2013 , 87,	4.9	42

513	Revealing dressed quarks via the proton's charge distribution. <i>Physical Review Letters</i> , 2013 , 111, 101803	7.4	44
512	Variations of nuclear binding with quark masses. <i>Physical Review C</i> , 2013 , 87,	2.7	9
511	Constrained π interference corrections to parity-violating electron scattering. <i>Physical Review D</i> , 2013 , 88,	4.9	30
510	Production of the H dibaryon via the $(K\bar{K}^+)$ reaction on a ^{12}C target. <i>Physical Review C</i> , 2013 , 88,	2.7	3
509	Anatomy of relativistic pion loop corrections to the electromagnetic nucleon coupling. <i>Physical Review D</i> , 2013 , 88,	4.9	18
508	Equation of State of Dense Matter and Consequences for Neutron Stars. <i>EPJ Web of Conferences</i> , 2013 , 63, 03004	0.3	15
507	A Study of Structure Functions for the Bag Beyond Leading Order. <i>Progress of Theoretical Physics Supplement</i> , 2013 , 120, 145-156		
506	The Quark Structure of Matter. <i>Progress of Theoretical Physics Supplement</i> , 2013 , 91, 204-234		
505	Production of cascade hypernuclei via the $(K\bar{K}^+)$ reaction within a quark-meson coupling model. <i>Nuclear Physics A</i> , 2012 , 881, 255-268	1.3	11
504	Calculating dihadron fragmentation functions in the Nambu-Jona-Lasinio jet model. <i>Physical Review D</i> , 2012 , 85,	4.9	12
503	Transverse-momentum-dependent fragmentation and quark distribution functions from the Nambu-Jona-Lasinio jet model. <i>Physical Review D</i> , 2012 , 85,	4.9	43
502	π box corrections to weak charges of heavy nuclei in atomic parity violation. <i>Physical Review Letters</i> , 2012 , 109, 262301	7.4	27
501	Charge symmetry breaking in spin-dependent parton distributions and the Bjorken sum rule. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 97-102	4.2	10
500	A proton exchange membrane fuel cell impedance model taking into account convection along the air channel: On the bias between the low frequency limit of the impedance and the slope of the polarization curve. <i>Electrochimica Acta</i> , 2012 , 83, 13-27	6.7	41
499	What's New with the Neutron and Proton. <i>Few-Body Systems</i> , 2012 , 52, 357-366	1.6	
498	Neutralino-hadron scattering in the next-to-minimal supersymmetric standard model. <i>Physical Review D</i> , 2012 , 86,	4.9	2
497	Chiral extrapolation of nucleon magnetic moments at next-to-leading-order. <i>Physical Review D</i> , 2012 , 86,	4.9	14
496	Parity-violating deep inelastic scattering and the flavor dependence of the EMC effect. <i>Physical Review Letters</i> , 2012 , 109, 182301	7.4	34

495	Dihadron fragmentation functions from the NJL-jet model and their QCD evolution. <i>Physical Review D</i> , 2012 , 86,	4.9	6
494	Nuclear quasielastic electron scattering limits nucleon off-mass shell properties. <i>Physical Review C</i> , 2012 , 86,	2.7	7
493	Collins fragmentation function within the NJL-jet model. <i>Physical Review D</i> , 2012 , 86,	4.9	10
492	Heat fluxes and electrodes temperature in a proton exchange membrane fuel cell. <i>Mechanics and Industry</i> , 2012 , 13, 255-260	0.8	3
491	Effects of Quark Spin Flip on the Collins Fragmentation Function in a Toy Model. <i>Journal of Physics: Conference Series</i> , 2012 , 403, 012042	0.3	4
490	Mass of the H dibaryon. <i>Physical Review Letters</i> , 2011 , 107, 092004	7.4	58
489	The Determination of $\sin^2 \theta_M$ in Neutrino Scattering: no more anomaly 2011 ,		3
488	Strange Vector Form Factors from Parity-Violating Electron Scattering. <i>Journal of Physics: Conference Series</i> , 2011 , 299, 012003	0.3	10
487	Analyzing Unfavored Fragmentation Functions Using NJL-Jet Model 2011 ,		3
486	Toward a resolution of the proton size puzzle. <i>Physical Review A</i> , 2011 , 84,	2.6	39
485	Perspectives in nuclear physics. <i>European Physical Journal: Special Topics</i> , 2011 , 198, 381-390	2.3	
484	Nonperturbative relativistic calculation of the muonic hydrogen spectrum. <i>Physical Review A</i> , 2011 , 84,	2.6	25
483	Fermi matrix element with isospin breaking. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 696, 536-538	4.2	2
482	Testing partonic charge symmetry at a high-energy electron collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 123-127	4.2	6
481	J/ Υ Mass Shift and J/ Υ Nuclear Bound State 2011 ,		4
480	The Radius of the Proton: Size Does Matter 2011 ,		1
479	Gluon polarization in the proton. <i>Physical Review C</i> , 2011 , 83,	2.7	6
478	Calculating kaon fragmentation functions from the Nambu-Jona-Lasinio jet model. <i>Physical Review D</i> , 2011 , 83,	4.9	25

477	Bethe-Salpeter equation for doubly heavy baryons in the covariant instantaneous approximation. <i>Physical Review D</i> , 2011 , 83,	4.9	31
476	Charge symmetry breaking in parton distribution functions from lattice QCD. <i>Physical Review D</i> , 2011 , 83,	4.9	15
475	Production of a cascade hyperon in the $K\bar{p}$ interaction. <i>Physical Review C</i> , 2011 , 84,	2.7	19
474	J/ψ nuclear bound states. <i>Physical Review C</i> , 2011 , 83,	2.7	37
473	Monte Carlo simulations of hadronic fragmentation functions using the Nambu-Gona-Lasinio jet model. <i>Physical Review D</i> , 2011 , 83,	4.9	20
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