

# David R. Entem

## 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.

99  
papers

4,177  
citations

26  
h-index

64  
g-index

117  
ext. papers

4,789  
ext. citations

3.1  
avg, IF

5.99  
L-index

#	Paper	IF	Citations
99	The $D_0(2590)^+$ as the dressed $cs\bar{c}$ ( $21S_0$ ). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 827, 136998	4.2	0
98	Does the $J = 1^+$ counterpart of the $X(3872)$ exist?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 829, 137083	4.2	0
97	Renormalization of (textit{NN}) Chiral EFT: My Personal Mixed Feelings. <i>Few-Body Systems</i> , <b>2021</b> , 62, 1	1.6	0
96	Non-perturbative methods for NN singular interactions. <i>European Physical Journal: Special Topics</i> , <b>2021</b> , 230, 1675-1689	2.3	1
95	Coupling Hadron-Hadron Thresholds within a Chiral Quark Model Approach. <i>Symmetry</i> , <b>2021</b> , 13, 279	2.7	2
94	The strange partner of the Z structures in a coupled-channels model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 818, 136382	4.2	13
93	Symmetries, Partners and Thresholds: The Case of the $X_b$ . <i>Symmetry</i> , <b>2021</b> , 13, 1600	2.7	2
92	Nucleon-Nucleon Scattering Up to N5LO in Chiral Effective Field Theory. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	8
91	Quark Models of the Nucleon-Nucleon Interaction. <i>Frontiers in Physics</i> , <b>2020</b> , 7,	3.9	1
90	Spectroscopy of ( $\mathbf{B}_c$ ) mesons and the possibility of finding exotic ( $\mathbf{B}_c$ )-like structures. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
89	Description of the ( $Z_c$ ) Exotics States in a Quark Model Coupled Channel Calculation. <i>Springer Proceedings in Physics</i> , <b>2020</b> , 697-700	0.2	
88	Heavy mesons in the Quark Model. <i>EPJ Web of Conferences</i> , <b>2019</b> , 199, 01012	0.3	
87	Unquenching the Quark Model in a Nonperturbative Scheme. <i>Advances in High Energy Physics</i> , <b>2019</b> , 2019, 1-7	1	1
86	Calibrating the naïve Cornell model with NRQCD. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
85	The ( $Z_c$ ) structures in a coupled-channels model. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
84	Charmonium resonances in the 3.9 GeV/c <sup>2</sup> energy region and the X(3915)/X(3930) puzzle. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 778, 1-5	4.2	26
83	Threshold effects in hadron spectrum: a new spectroscopy?. <i>EPJ Web of Conferences</i> , <b>2018</b> , 182, 02094	0.3	

82	$\bar{N}$ - $\bar{N}$ EFT potentials and hypertriton non-mesonic weak decay. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1024, 012033	0.3	0
81	Counting states and the Hadron Resonance Gas: Does X(3872) count?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 678-683	4.2	7
80	LHCb pentaquarks in constituent quark models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 764, 207-211	4.2	23
79	Threshold effects in P-wave bottom-strange mesons. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	15
78	High-quality two-nucleon potentials up to fifth order of the chiral expansion. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	163
77	The N / D method with non-perturbative left-hand-cut discontinuity and the $S_0$ partial wave. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 773, 498-504	4.2	12
76	Molecular components in $D^*s_0(2317)$ and $Ds_1(2460)$ mesons. <i>EPJ Web of Conferences</i> , <b>2016</b> , 130, 02009	0.3	0
75	Bottomonium spectrum revisited. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	56
74	Puzzles in quarkonium hadronic transitions with two pion emission <b>2016</b> ,		2
73	The Role of Spin-Flipping Terms in Hadronic Transitions of $\{\{Upsilon(4S)\}\}$ . <i>Few-Body Systems</i> , <b>2016</b> , 57, 275-287	1.6	2
72	Next-to-leading order effective field theory $\bar{N}$ - $\bar{N}$ potential in coordinate space. <i>Nuclear Physics A</i> , <b>2016</b> , 954, 213-241	1.3	2
71	Partners of the X(3872) and heavy quark spin symmetry breaking <b>2016</b> ,		7
70	Molecular components in P-wave charmed-strange mesons. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	22
69	Canonical description of the new LHCb resonances. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	28
68	Peripheral nucleon-nucleon scattering at fifth order of chiral perturbation theory. <i>Physical Review C</i> , <b>2015</b> , 91,	2.7	121
67	Puzzles in hadronic transitions of heavy quarkonium with two pion emission. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	14
66	Charmed-strange meson spectrum: Old and new problems. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	23
65	Dominant contributions to the nucleon-nucleon interaction at sixth order of chiral perturbation theory. <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	62

64	D <sup>*</sup> molecular interpretation for the Xc(3250). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 729, 24-26	4.2	4
63	POSSIBLE MOLECULAR STRUCTURES IN THE HEAVY BARYON SPECTRUM. <i>International Journal of Modern Physics Conference Series</i> , <b>2014</b> , 26, 1460123	0.7	
62	Non-mesonic weak decay of hypernuclei with effective field theory. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 503, 012033	0.3	
61	Hadronic molecules in the open charm and open bottom baryon spectrum. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	7
60	Molecular charmonium. A new spectroscopy? <b>2014</b> ,		4
59	Infinite-Cutoff Renormalization of the Chiral Nucleon-Nucleon Interaction up to N <sup>3</sup> LO. <i>Few-Body Systems</i> , <b>2013</b> , 54, 2191-2205	1.6	26
58	Recent Progress in the Theory of Nuclear Forces. <i>Few-Body Systems</i> , <b>2013</b> , 54, 821-826	1.6	3
57	The $\Xi(2940)^+$ as a D <sup>*</sup> N Molecule in a Constituent Quark Model and a Possible $\Xi(6248)$ . <i>Few-Body Systems</i> , <b>2013</b> , 54, 1101-1104	1.6	0
56	Higher order contributions to the weak N-N interaction in effective field theory. <i>Nuclear Physics A</i> , <b>2013</b> , 914, 199-203	1.3	2
55	B decays into radially excited charmed mesons. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	11
54	Quark model description of the $\Xi(2940)^+$ as a molecular D <sup>*</sup> N state and the possible existence of the $\Xi(6248)$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 1381-1384	4.2	43
53	Strong charmonium decays in a microscopic model. <i>Nuclear Physics A</i> , <b>2013</b> , 915, 125-141	1.3	15
52	Molecular structures in the charmonium spectrum: the XYZ puzzle. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2013</b> , 40, 065107	2.9	36
51	Nonperturbative renormalization of the chiral nucleon-nucleon interaction up to next-to-next-to-leading order. <i>Physical Review C</i> , <b>2013</b> , 88,	2.7	48
50	One-loop contributions in the effective field theory for the N-N transition. <i>Physical Review C</i> , <b>2013</b> , 87,	2.7	9
49	CONSTITUENT QUARK MODEL DESCRIPTION OF CHARMONIUM PHENOMENOLOGY. <i>International Journal of Modern Physics E</i> , <b>2013</b> , 22, 1330026	0.7	56
48	Strangeness production in (p bar{p}) collision. <i>Hyperfine Interactions</i> , <b>2012</b> , 213, 71-79	0.8	1
47	Scaling of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 715, 322-327	4.2	60

46	Renormalization approach to constituent quark models of quarkonium. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	10
45	Nonleptonic B-D(*)DsJ(*) decays and the nature of the orbitally excited charmed-strange mesons. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	9
44	Renormalized quarkonium. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	6
43	Chiral effective field theory and nuclear forces. <i>Physics Reports</i> , <b>2011</b> , 503, 1-75	27.7	928
42	Charmonium resonances in e+e- exclusive reactions around the (4415) region. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	17
41	pp- polarization and spin transfer in a constituent quark model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 696, 352-358	4.2	20
40	Semileptonic B and Bs decays into orbitally excited charmed mesons. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	29
39	Chiral Symmetry and the Nucleon-Nucleon Interaction <b>2011</b> , 317-343		
38	CHARMONIUM RESONANCES IN e+e- ANNIHILATION CROSS SECTIONS AROUND THE (4415) REGION. <i>International Journal of Modern Physics A</i> , <b>2011</b> , 26, 573-575	1.2	1
37	HEAVY FLAVOUR HADRONIC MOLECULES. <i>International Journal of Modern Physics A</i> , <b>2011</b> , 26, 613-615	1.2	1
36	Strangeness production in p-bar{p} collision <b>2011</b> , 291-299		
35	Nuclear forces from chiral EFT: the unfinished business. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2010</b> , 37, 064041	2.9	25
34	D s 1 (2536) + decays and the structure of P -wave charmed strange mesons. <i>Chinese Physics C</i> , <b>2010</b> , 34, 1408-1410	2.2	
33	production in pp collisions. <i>Chinese Physics C</i> , <b>2010</b> , 34, 1462-1464	2.2	
32	Charmonium narrow resonances in the string breaking region. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2010</b> , 37, 075010	2.9	4
31	Renormalization of the leading-order chiral nucleon-nucleon interaction and bulk properties of nuclear matter. <i>Physical Review C</i> , <b>2010</b> , 81,	2.7	27
30	The X(3872) an other possible XYZ molecular states <b>2010</b> ,		3
29	Coupled channel approach to the structure of the X(3872). <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	70

28	Renormalization of the off-shell chiral two-pion exchange NN interactions. <i>Physical Review C</i> , <b>2009</b> , 80,	2.7	5
27	Ds1(2536)+ decays and the properties of P-wave charmed strange mesons. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	20
26	JPC=1-- hidden charm resonances. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	93
25	Renormalization of chiral two-pion exchange NN interactions: Momentum space versus coordinate space. <i>Physical Review C</i> , <b>2008</b> , 77,	2.7	79
24	Is chiral symmetry restored in the excited meson spectrum?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 662, 33-36	4.2	30
23	Final state interaction effects in near threshold enhancement of the $pp\pi$ mass spectrum in B and $J/\psi$ decays. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	25
22	X(1859) Baryonium or something else?. <i>European Physical Journal A</i> , <b>2007</b> , 31, 649-652	2.5	3
21	quasibound states: decay and -atomic evidences. <i>Nuclear Physics A</i> , <b>2007</b> , 790, 340c-343c	1.3	
20	Low-momentum nucleon-nucleon interactions and shell-model calculations. <i>Physical Review C</i> , <b>2007</b> , 75,	2.7	40
19	X(1859) Baryonium or something else? <b>2007</b> , 311-314		
18	The NN $\pi$ interaction in a constituent quark model: Baryonium states and protonium level shifts. <i>Physical Review C</i> , <b>2006</b> , 73,	2.7	30
17	Recent advances in the theory of nuclear forces. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 20, 77-82	0.3	2
16	Towards a consistent approach to nuclear structure: EFT of two- and many-body forces. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2005</b> , 31, S1235-S1244	2.9	32
15	The nuclear force problem: Are we seeing the end of the tunnel?. <i>Nuclear Physics A</i> , <b>2004</b> , 737, 223-227	1.3	1
14	Towards a model-independent low momentum nucleon-nucleon interaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 576, 265-272	4.2	77
13	Accurate charge-dependent nucleon-nucleon potential at fourth order of chiral perturbation theory. <i>Physical Review C</i> , <b>2003</b> , 68,	2.7	1128
12	Two-nucleon system above pion threshold: Quark model study. <i>Physical Review C</i> , <b>2003</b> , 67,	2.7	7
11	Accurate nucleon-nucleon potential based upon chiral perturbation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 524, 93-98	4.2	183

10	Chiral $\Sigma$ exchange at fourth order and peripheral NN scattering. <i>Physical Review C</i> , <b>2002</b> , 66,	2.7	137
9	$\Sigma(1232)$ isobar excitations and the ground state of nuclei. <i>Physical Review C</i> , <b>2002</b> , 65,	2.7	5
8	Nonlocal calculation for nonstrange dibaryons and tribaryons. <i>Physical Review C</i> , <b>2002</b> , 65,	2.7	19
7	Microscopic nuclear structure based upon a chiral NN potential. <i>Physical Review C</i> , <b>2002</b> , 66,	2.7	24
6	Deuteron NN*(1440) components from a chiral quark model. <i>Physical Review C</i> , <b>2002</b> , 66,	2.7	4
5	Chiral NN model and $A_y$ puzzle. <i>Physical Review C</i> , <b>2002</b> , 65,	2.7	31
4	Chiral quark cluster model description of isospin violation in the nuclear force. <i>Nuclear Physics A</i> , <b>2000</b> , 663-664, 699c-702c	1.3	
3	Chiral quark model of the NN system within a Lippmann-Schwinger resonating group method. <i>Physical Review C</i> , <b>2000</b> , 62,	2.7	59
2	Charge dependence and charge asymmetry of nuclear forces in chiral quark cluster models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 463, 153-158	4.2	10
1	A chiral quark model and the spin observables in nucleon-nucleon scattering. <i>Nuclear Physics A</i> , <b>1996</b> , 602, 308-326	1.3	7