

Joan Soto

List of Publications by Year in descending order

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87
papers

3,889
citations

172443

29
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118840

62
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91
all docs

91
docs citations

91
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective QCD string and doubly heavy baryons. Physical Review D, 2021, 104, .	4.7	11
2	Nonrelativistic effective field theory for heavy exotic hadrons. Physical Review D, 2020, 102, .	4.7	16
3	Effective field theory for double heavy baryons at strong coupling. Physical Review D, 2020, 102, .	4.7	15
4	The HTL Lagrangian at NLO: The photon case. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135193.	4.1	14
5	Heavy quarkonium at finite temperature and chemical potential. Physical Review D, 2020, 102, .	4.7	0
6	Determination of the QCD coupling from the static energy and the free energy. Physical Review D, 2019, 100, .	4.7	29
7	Power corrections to the HTL effective Lagrangian of QED. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 308-312.	4.1	21
8	Heavy Quarkonium Hybrids. Nuclear and Particle Physics Proceedings, 2018, 294-296, 87-94.	0.5	12
9	Heavy quarkonium suppression in a fireball. Physical Review D, 2018, 97, .	4.7	92
10	Quarkonium suppression in heavy-ion collisions: An open quantum system approach. Physical Review D, 2017, 96, .	4.7	102
11	Heavy quarkonium hybrids: Spectrum, decay, and mixing. Physical Review D, 2017, 96, .	4.7	45
12	Heavy Hybrids: decay to and mixing with Heavy Quarkonium. EPJ Web of Conferences, 2017, 137, 06025.	0.3	3
13	OSEFT or how to go beyond hard thermal loops. EPJ Web of Conferences, 2017, 137, 07014.	0.3	4
14	On-shell effective field theory: A systematic tool to compute power corrections to the hard thermal loops. Physical Review D, 2016, 94, .	4.7	21
15	Determination of $\hat{\Gamma}_{\pm}$ from the QCD static energy: An update. Physical Review D, 2014, 90, .	4.7	64
16	Chiral effective theory with a light scalar and lattice QCD. Nuclear Physics B, 2013, 866, 270-292.	2.5	18
17	Heavy quarkonium moving in a quark-gluon plasma. Physical Review D, 2013, 87, .	4.7	46
18	Quark mass dependence of nucleon-nucleon S-wave scattering lengths. Physical Review C, 2012, 85, .	2.9	17

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19	Determination of $\langle \bar{\psi}\psi \rangle$ from the QCD static energy. Physical Review D, 2012, 86, .	4.7	66
20	Discrete contribution to $\langle \bar{\psi}\psi \rangle$. Physical Review D, 2011, 83, .	4.7	6
21	Nonrelativistic bound states in a moving thermal bath. Physical Review D, 2011, 84, .	4.7	37
22	OVERVIEW OF CHARMONIUM DECAYS AND PRODUCTION FROM NON-RELATIVISTIC QCD. International Journal of Modern Physics Conference Series, 2011, 02, 1-8.	0.7	0
23	Heavy quarkonium in a weakly-coupled quark-gluon plasma below the melting temperature. Journal of High Energy Physics, 2010, 2010, 1.	4.7	119
24	Effective field theory with dibaryon fields: Nucleon-nucleon amplitudes at N ² LO. Physical Review C, 2010, 81, .	2.9	12
25	Nonrelativistic bound states at finite temperature. II. Muonic hydrogen. Physical Review A, 2010, 82, .	2.5	31
26	Precision Determination of $\langle \bar{\psi}\psi \rangle$ from the QCD Static Energy. Physical Review Letters, 2010, 105, 212001.	7.8	47
27	Effective-string-theory constraints on the long-distance behavior of the subleading potentials. Physical Review D, 2009, 79, .	4.7	29
28	QCD static energy at next-to-next-to-next-to leading-logarithmic accuracy. Physical Review D, 2009, 80, .	4.7	58
29	Round Table on Heavy Quarkonia and Exotic States. Nuclear Physics, Section B, Proceedings Supplements, 2008, 185, 107-117.	0.4	13
30	Nonrelativistic bound states at finite temperature: The hydrogen atom. Physical Review A, 2008, 78, .	2.5	82
31	Effective field theory with dibaryon degrees of freedom. Physical Review C, 2008, 78, .	2.9	23
32	Unraveling the nature of heavy quarkonia through radiative decays. AIP Conference Proceedings, 2007, , .	0.4	0
33	Extraction of $\langle \bar{\psi}\psi \rangle$ from radiative $\Upsilon(1S)$ decays. Physical Review D, 2007, 75, .	4.7	32
34	The logarithmic contribution to the QCD static energy at N ⁴ LO. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 647, 185-193.	4.1	55
35	Overview of Non-Relativistic QCD. European Physical Journal A, 2007, 31, 705-710.	2.5	14
36	The nucleon-nucleon potential beyond the static approximation. European Physical Journal A, 2007, 32, 77-85.	2.5	20

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37	Radiative Decays and the Nature of Heavy Quarkonia. <i>Physical Review Letters</i> , 2006, 96, 111801.	7.8	19
38	Heavy Quarks. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
39	Effective-field theories for heavy quarkonium. <i>Reviews of Modern Physics</i> , 2005, 77, 1423-1496.	45.6	559
40	Semi-inclusive radiative decays of $\Upsilon(1S)$. <i>Physical Review D</i> , 2005, 72, .	4.7	19
41	Soft, collinear, and nonrelativistic modes in radiative decays of very heavy quarkonium. <i>Physical Review D</i> , 2004, 69, .	4.7	18
42	MODEL INDEPENDENT RESULTS FOR HEAVY QUARKONIUM. <i>Modern Physics Letters A</i> , 2004, 19, 1563-1576.	1.2	2
43	The $m\hat{c}$ -QCD scale in heavy quarkonium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 580, 60-71.	4.1	31
44	Renormalizing the Lippmann-Schwinger equation for the one-pion exchange potential. <i>European Physical Journal A</i> , 2003, 17, 89-102.	2.5	34
45	Inclusive decays of heavy quarkonium to light particles. <i>Physical Review D</i> , 2003, 67, .	4.7	64
46	Incompressible states in double quantum dots. <i>Physical Review B</i> , 2003, 68, .	3.2	4
47	Low-energy excitations of double quantum dots in the lowest Landau level regime. <i>Physical Review B</i> , 2002, 66, .	3.2	2
48	New Predictions for Inclusive Heavy-Quarkonium P-Wave Decays. <i>Physical Review Letters</i> , 2001, 88, 012003.	7.8	51
49	The renormalization group for correlated scales: one-stage versus two-stage running. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 486, 400-405.	4.1	18
50	Light fermion finite mass effects in non-relativistic bound states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 491, 101-110.	4.1	67
51	The renormalization group improvement of the QCD static potentials. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 495, 323-328.	4.1	79
52	Pionium: an effective field theory approach. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 86, 267-270.	0.4	1
53	Effective field theory approach to pionium. <i>Physical Review D</i> , 2000, 61, .	4.7	24
54	Spin waves in canted phases: An application to doped manganites. <i>Physical Review B</i> , 2000, 62, 3300-3315.	3.2	26

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55	QCD potential at $O(1/m)$. Physical Review D, 2000, 63, .	4.7	115
56	Potential NRQCD: an effective theory for heavy quarkonium. Nuclear Physics B, 2000, 566, 275-310.	2.5	546
57	Continuum double-exchange model. Physical Review B, 1999, 59, 11418-11423.	3.2	6
58	Infrared behavior of the static potential in perturbative QCD. Physical Review D, 1999, 60, .	4.7	162
59	EFFECTIVE FIELD THEORY APPROACH TO FERROMAGNETS AND ANTIFERROMAGNETS IN CRYSTALLINE SOLIDS. International Journal of Modern Physics B, 1999, 13, 755-789.	2.0	36
60	The heavy quarkonium spectrum at order $m\hat{\pm}s5ln\hat{\pm}s$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 470, 215-222.	4.1	92
61	Spin Wave Mediated Non-reciprocal Effects in Antiferromagnets. Annals of Physics, 1999, 273, 37-57.	2.8	18
62	Effective field theory for ultrasoft momenta in NRQCD and NRQED. Nuclear Physics, Section B, Proceedings Supplements, 1998, 64, 428-432.	0.4	397
63	The Lamb shift in dimensional regularisation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 391-396.	4.1	83
64	Matching at one loop for the four-quark operators in NRQCD. Physical Review D, 1998, 58, .	4.7	62
65	Heavy quarkonium and nonperturbative corrections. Physical Review D, 1996, 54, 4609-4621.	4.7	4
66	Multiple edges of a quantum Hall system in a strong electric field. Physical Review B, 1996, 54, 10709-10719.	3.2	1
67	Heavy quark hadronic Lagrangian for s-wave quarkonium. Physical Review D, 1996, 53, 3983-3997.	4.7	3
68	Matching the HQET to Coulomb-type bound states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 95-104.	4.1	5
69	EXTRA SYMMETRIES IN THE EFFECTIVE THEORY OF HEAVY QUARKS. International Journal of Modern Physics A, 1994, 09, 4949-4971.	1.5	5
70	TWO COMPONENT ANYON SUPERFLUID WITH COMPLEMENTARY STATISTICS: A MODEL WITH SUPPRESSED PARITY VIOLATION. International Journal of Modern Physics B, 1993, 07, 4595-4614.	2.0	2
71	Anomaly cancellation at finite cutoff. Physical Review D, 1992, 45, 4621-4631.	4.7	3
72	A note on hypercharge anomaly and dynamical symmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 280, 75-78.	4.1	3

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73	Anomalies in the effective theory of heavy quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 297, 358-366.	4.1	8
74	AN OPERATOR REGULARIZATION FOR CHIRAL GAUGE THEORIES. International Journal of Modern Physics A, 1991, 06, 3807-3822.	1.5	0
75	Effective action induced by fermions with large Majorana masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 233, 400-406.	4.1	3
76	Variational study of four-dimensional nonlinear scalar theories. Nuclear Physics B, 1989, 316, 141-170.	2.5	17
77	On the physics of S^1 in a $2i\frac{1}{2}S^1$ space. Zeitschrift für Physik C-Particles and Fields, 1988, 39, 487-498.	1.5	1
78	Variational analysis of the Gross-Neveu model in an S^1 space. Physical Review D, 1988, 37, 1086-1089.	4.7	8
79	An all-loop result for the constant chromomagnetic background field at high temperature. Nuclear Physics B, 1987, 283, 577-590.	2.5	2
80	On the new phase in \hat{N}^4 . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 188, 340-346.	4.1	14
81	Confinement in precarious \hat{N}^4 . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 178, 246-250.	4.1	2
82	On the absence of a deconfining phase transition for the Savvidy model at one-loop order. Zeitschrift für Physik C-Particles and Fields, 1986, 33, 319-332.	1.5	2
83	A field configuration closer to the true QCD vacuum. Zeitschrift für Physik C-Particles and Fields, 1986, 31, 237-244.	1.5	0
84	Gaussian analysis of the Gross-Neveu model. Physical Review D, 1986, 34, 3111-3116.	4.7	28
85	Relations between quark and gluon condensates from one-loop effective actions in constant background fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 165, 389-394.	4.1	0
86	$\hat{\eta}$ -Regularized Lagrangians for massive quarks in constant background mean-fields. Annals of Physics, 1985, 162, 192-211.	2.8	22
87	Exact effective actions for quarks in pure and self-dual mean fields. Nuclear Physics B, 1985, 260, 136-156.	2.5	19