

Shuheï Yoshida

List of Publications by Year in descending order

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52
papers

834
citations

471477

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526264

27
g-index

52
all docs

52
docs citations

52
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Creation of Rydberg Polarons in a Bose Gas. Physical Review Letters, 2018, 120, 083401.	7.8	113
2	Ultra-long-range Rydberg molecules in a divalent atomic system. Physical Review A, 2015, 92, .	2.5	73
3	Rydberg-blockade effects in Autler-Townes spectra of ultracold strontium. Physical Review A, 2016, 93, .	2.5	47
4	Coincidence spectroscopy of high-lying Rydberg states produced in strong laser fields. Physical Review A, 2016, 94, .	2.5	39
5	Theory of excitation of Rydberg polarons in an atomic quantum gas. Physical Review A, 2018, 97, .	2.5	38
6	Production of very-high- n strontium Rydberg atoms. Physical Review A, 2013, 88, .	2.5	35
7	Lifetimes of ultra-long-range strontium Rydberg molecules. Physical Review A, 2016, 93, .	2.5	34
8	Trap losses induced by near-resonant Rydberg dressing of cold atomic gases. Physical Review A, 2016, 93, .	2.5	28
9	Localizing high-lying Rydberg wave packets with two-color laser fields. Physical Review A, 2017, 96, .	2.5	27
10	Accurate ionization thresholds of atoms subject to half-cycle pulses. Physical Review A, 1998, 58, 2229-2241.	2.5	23
11	Probing nonlocal spatial correlations in quantum gases with ultra-long-range Rydberg molecules. Physical Review A, 2019, 100, .	2.5	23
12	Photoexcitation of n states in the presence of an rf drive field. Physical Review A, 2012, 86, .	2.5	20
13	Siegert-pseudostate representation of quantal time evolution: A harmonic oscillator kicked by periodic pulses. Physical Review A, 2001, 63, .	2.5	19
14	Quantum localization in the three-dimensional kicked Rydberg atom. Physical Review A, 2003, 68, .	2.5	19
15	Semiclassical analysis of quantum localization of the periodically kicked Rydberg atom. Physical Review A, 2004, 69, .	2.5	19
16	Electron capture and electron transport by fast ions penetrating solids: An open quantum system approach with sources and sinks. Physical Review A, 2007, 75, .	2.5	18
17	Spectroscopy of Sr triplet Rydberg states. Physical Review A, 2018, 98, .	2.5	18
18	Lifetimes of ultralong-range strontium Rydberg molecules in a dense Bose-Einstein condensate. Physical Review A, 2017, 96, .	2.5	17

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19	Response of highly polarized Rydberg states to trains of half-cycle pulses. Physical Review A, 2004, 70, .	2.5	15
20	Autoionization of very-high- n strontium Rydberg states. Physical Review A, 2018, 97, .	2.5	15
21	Classical dynamics of enhanced low-energy electron-ion recombination in storage rings. Physical Review A, 2006, 74, .	2.5	14
22	Efficient three-photon excitation of quasi-one-dimensional strontium Rydberg atoms with $n=300$. Physical Review A, 2014, 90, .	2.5	11
23	Dephasing of Stark wave packets induced by colored noise. Physical Review A, 2007, 75, .	2.5	11
24	Characterizing high-quasi-one-dimensional strontium Rydberg atoms. Physical Review A, 2014, 89, .	2.5	11
25	Rydberg blockade effects at $n=300$ strontium. Physical Review A, 2015, 92, .	2.5	11
26	Formation of ultralong-range fermionic Rydberg molecules in ^{87}Sr : role of quantum statistics. Molecular Physics, 2019, 117, 3088-3095.	1.7	10
27	Momentum distribution of multiply charged ions produced by intense (50-70 PW cm^{-2}) lasers. Physical Review A, 2007, 75, .	2.5	9
28	Extracting irreversible dephasing rates from electric dipole echoes in Rydberg Stark wave packets. Physical Review A, 2008, 78, .	2.5	8
29	Creation of nondispersive Bohr-like wave packets. Physical Review A, 2009, 79, .	2.5	8
30	Quantum localization in the high-frequency limit. Physical Review A, 2002, 66, .	2.5	7
31	Enhancement of Low-Energy Electron Ion Recombination in a Magnetic Field. Hyperfine Interactions, 2003, 146/147, 13-17.	0.5	7
32	Electric Dipole Echoes in Rydberg Atoms. Physical Review Letters, 2007, 98, 203004.	7.8	7
33	Tailoring very-high- n circular wave packets. Physical Review A, 2008, 78, .	2.5	7
34	Creation of vibrationally-excited ultralong-range Rydberg molecules in polarized and unpolarized cold gases of ^{87}Sr . Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 014002.	1.5	7
35	Loss rates for high- n Rydberg atoms excited in an Sr^{84} Bose-Einstein condensate. Physical Review A, 2020, 102, .	2.5	7
36	Heteronuclear Rydberg molecules. Physical Review A, 2020, 101, .	2.5	7

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37	Realization of the kicked atom at high scaled frequencies. Physical Review A, 2006, 73, .	2.5	6
38	Generation of quasiclassical Bohr-like wave packets using half-cycle pulses. Physical Review A, 2008, 78, .	2.5	6
39	Encoding and decoding phase information in high- n circular wave packets. Physical Review A, 2010, 81, .	2.5	5
40	Rydberg blockade in a hot atomic beam. Physical Review A, 2017, 95, .	2.5	5
41	Influence of a dc offset field on kicked quasi-one-dimensional Rydberg atoms: Stabilization and frustrated field ionization. Physical Review A, 2006, 73, .	2.5	4
42	Bidirectionally kicked Rydberg atoms: Population trapping near the continuum. Physical Review A, 2006, 73, .	2.5	4
43	Destruction of high- n ($n \approx 4300$) Rydberg atoms in Rydberg-Rydberg collisions. Physical Review A, 2019, 99, .	2.5	4
44	Transferring Rydberg wave packets between islands across the chaotic sea. Physical Review A, 2008, 77, .	2.5	3
45	Probing the spatial distribution of high-angular-momentum Rydberg wave packets. Physical Review A, 2011, 84, .	2.5	3
46	Enhanced electron-ion recombination in ion storage rings. Hyperfine Interactions, 2006, 173, 67-72.	0.5	2
47	Occupation of fine-structure states in electron capture and transport. Physical Review A, 2008, 77, .	2.5	2
48	Lifetimes of ultralong-range strontium Rydberg molecules in cold dense gases. Journal of Physics: Conference Series, 2017, 875, 012013.	0.4	2
49	High- n limit of quantum defects for high- n strontium Rydberg states. Physical Review A, 2021, 104, .	2.5	2
50	Giant cross sections for L changing in Rydberg-Rydberg collisions. Physical Review A, 2020, 102, .	2.5	1
51	Analysis of circular wave packets generated by pulsed electric fields. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 4-7.	1.4	0
52	Localizing high-lying Rydberg wave packets by orthogonally-polarized two-color laser pulses. , 2017, , .		0