

Masato Senami

List of Publications by Year in descending order

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45
papers

489
citations

623734

14
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713466

21
g-index

45
all docs

45
docs citations

45
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Relic abundance of dark matter in the minimal universal extra dimension model. Physical Review D, 2006, 74, .	4.7	67
2	Significant effects of second Kaluza-Klein particles on dark matter physics. Physical Review D, 2005, 71, .	4.7	56
3	Theoretical study of adsorption of lithium atom on carbon nanotube. AIP Advances, 2011, 1, .	1.3	28
4	Efficient coannihilation process through strong Higgs self-coupling in LKP dark matter annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 633, 671-674.	4.1	27
5	Role of an Aluminum Atom on Graphene for Hydrogen Adsorption. Journal of the Physical Society of Japan, 2011, 80, 074705.	1.6	24
6	Solving cosmological problem in universal extra dimension models by introducing Dirac neutrino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 647, 466-471.	4.1	20
7	Calculation of the Electronic State in Electronic Current for Nanowire Models. Japanese Journal of Applied Physics, 2010, 49, 115002.	1.5	19
8	Relic abundance of dark matter in universal extra dimension models with right-handed neutrinos. Physical Review D, 2007, 76, .	4.7	18
9	Spin Torque and Zeta Force of Dimer of Alkali Atoms. Journal of the Physical Society of Japan, 2010, 79, 084302.	1.6	18
10	Local Dielectric Property of Hafnium and Lanthanum Atoms in HfLaO _x . Japanese Journal of Applied Physics, 2010, 49, 121504.	1.5	18
11	Electron spin torque in atoms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1434-1441.	2.1	18
12	Electronic Structure Study of Local Dielectric Properties of Lanthanoid Oxide Clusters. Japanese Journal of Applied Physics, 2008, 47, 205-211.	1.5	17
13	Productions of second Kaluza-Klein gauge bosons in the minimal universal extra dimension model at LHC. Physical Review D, 2009, 80, .	4.7	16
14	Local Dielectric Property of Cubic Hafnia. Japanese Journal of Applied Physics, 2010, 49, 111504.	1.5	15
15	Neutralino dark matter in light Higgs boson scenario. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 330-333.	4.1	14
16	Asymmetry of electron chirality between enantiomeric pair molecules and the origin of homochirality in nature. Physical Review A, 2019, 99, .	2.5	13
17	Rigged QED Analysis of Local Dielectric Response. Transactions of the Materials Research Society of Japan, 2013, 38, 535-544.	0.2	10
18	Theoretical study of the hydrogen adsorption on ALB nanowire. Journal of Power Sources, 2008, 184, 60-76.	7.8	9

#	ARTICLE	IF	CITATIONS
19	Local electric conductive property of Si nanowire models. AIP Advances, 2012, 2, .	1.3	9
20	Local physical quantities for spin based on the relativistic quantum field theory in molecular systems. International Journal of Quantum Chemistry, 2016, 116, 920-931.	2.0	9
21	Time evolution of Heisenberg operators of nuclei and electrons of QED system based on field theory. Journal of Physics: Conference Series, 2013, 454, 012052.	0.4	8
22	CDMS II result and light Higgs boson scenario of the MSSM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	7
23	Theoretical study of the migration of the hydrogen atom adsorbed on aluminum nanowire. Surface Science, 2010, 604, 1718-1726.	1.9	7
24	Electron chirality in amino acid molecules. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126796.	2.1	6
25	Dynamical picture of spin Hall effect based on quantum spin vorticity theory. AIP Advances, 2016, 6, 025108.	1.3	5
26	Leptogenesis scenarios via non-thermally produced right-handed neutrino and sneutrino in supersymmetric seesaw model. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 007-007.	5.4	4
27	Comprehensive analysis on the light Higgs boson scenario. Physical Review D, 2012, 86, .	4.7	4
28	Difference of Chirality of the Electron Between Enantiomers of H ₂ X ₂ . Progress in Theoretical Chemistry and Physics, 2018, , 95-106.	0.2	4
29	Local Dielectric Property of Cubic, Tetragonal, and Monoclinic Hafnium Oxides. Japanese Journal of Applied Physics, 2012, 51, 031101.	1.5	4
30	Enhancement of the parity-violating energy difference of H_2X_2 molecules by electronic excitation. Physical Review A, 2022, 105, .	2.5	4
31	Tension density as counter force to the Lorentz force density. Japanese Journal of Applied Physics, 2016, 55, 08PE01.	1.5	3
32	A Non-Hermitian Coupled Perturbed Hartree-Fock Method for Complex Potentials and Calculations of Electronic Structures with Electric Currents. Transactions of the Materials Research Society of Japan, 2013, 38, 397-404.	0.2	3
33	Spin Torque and Zeta Force in Allene-Type Molecules. Progress in Theoretical Chemistry and Physics, 2013, , 131-139.	0.2	2
34	Local Transport Property of GaN Cluster as a Model of Nanowire. Japanese Journal of Applied Physics, 2011, 50, 010103.	1.5	2
35	Identification of hydrogen bonds using quantum electrodynamics. International Journal of Quantum Chemistry, 2020, 120, e26237.	2.0	1
36	PRODUCTION RATE OF SECOND KK GAUGE BOSONS IN UED MODELS AT LHC. International Journal of Modern Physics A, 2009, 24, 3515-3522.	1.5	0

#	ARTICLE	IF	CITATIONS
37	Relic abundance of dark matter in universal extra dimension models with right-handed neutrinos. , 2009, , .		0
38	Production rate of second KK gauge bosons in UED models at LHC. , 2009, , .		0
39	Quantum chemical approaches to the electronic structures of nano-electronics materials. , 2010, , .		0
40	Torque for electron spin induced by electron permanent electric dipole moment. , 2014, , .		0
41	Local spin torque induced by electron electric dipole moment in the Ybf molecule. , 2014, , .		0
42	The effect of electric current on chemical bonding of hydrogen adsorption on an aluminum nanowire. International Journal of Quantum Chemistry, 2019, 119, e26004.	2.0	0
43	Computational analysis method of local electrical conductive property in nano-size materials. AIP Advances, 2019, 9, 025106.	1.3	0
44	Quantum Electrodynamics and Molecules. , 2019, , .		0
45	Description of Photon Field in Dynamics Simulation of Bound States Based on Quantum Field Theory. , 2014, , .		0