Masato Senami

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3411282/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Enhancement of the parity-violating energy difference of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">H<mml:mn>2</mml:mn></mml:mi </mml:msub><mml:msub><mml:mi>X</mml:mi>< molecules by electronic excitation. Physical Review A, 2022, 105, .</mml:msub></mml:mrow></mml:math 	mml: 2 ;5 mml:mn>2∢	:/mthi:mn> </td
2	Electron chirality in amino acid molecules. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126796.	2.1	6
3	Identification of hydrogen bonds using quantum electrodynamics. International Journal of Quantum Chemistry, 2020, 120, e26237.	2.0	1
4	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
5	Computational analysis method of local electrical conductive property in nano-size materials. AIP Advances, 2019, 9, 025106.	1.3	0
6	Quantum Electrodynamics and Molecules. , 2019, , .		0
7	Asymmetry of electron chirality between enantiomeric pair molecules and the origin of homochirality in nature. Physical Review A, 2019, 99, .	2.5	13
8	Difference of Chirality of the Electron Between Enantiomers of H\$\$_2\$\$2X\$\$_2\$\$2. Progress in Theoretical Chemistry and Physics, 2018, , 95-106.	0.2	4
9	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
10	Dynamical picture of spin Hall effect based on quantum spin vorticity theory. AIP Advances, 2016, 6, 025108.	1.3	5
11	Tension density as counter force to the Lorentz force density. Japanese Journal of Applied Physics, 2016, 55, 08PE01.	1.5	3
12	Torque for electron spin induced by electron permanent electric dipole moment. , 2014, , .		0
13	Local spin torque induced by electron electric dipole moment in the Ybf molecule. , 2014, , .		0
14	Description of Photon Field in Dynamics Simulation of Bound States Based on Quantum Field Theory. , 2014, , .		0
15	Spin Torque and Zeta Force in Allene-Type Molecules. Progress in Theoretical Chemistry and Physics, 2013, , 131-139.	0.2	2
16	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
17	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
18	Rigged QED Analysis of Local Dielectric Response. Transactions of the Materials Research Society of Japan, 2013, 38, 535-544.	0.2	10

MASATO SENAMI

#	Article	IF	CITATIONS
19	Comprehensive analysis on the light Higgs boson scenario. Physical Review D, 2012, 86, .	4.7	4
20	Local electric conductive property of Si nanowire models. AIP Advances, 2012, 2, .	1.3	9
21	Electron spin torque in atoms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1434-1441.	2.1	18
22	Local Dielectric Property of Cubic, Tetragonal, and Monoclinic Hafnium Oxides. Japanese Journal of Applied Physics, 2012, 51, 031101.	1.5	4
23	Role of an Aluminum Atom on Graphene for Hydrogen Adsorption. Journal of the Physical Society of Japan, 2011, 80, 074705.	1.6	24
24	Theoretical study of adsorption of lithium atom on carbon nanotube. AIP Advances, 2011, 1, .	1.3	28
25	Local Transport Property of GaN Cluster as a Model of Nanowire. Japanese Journal of Applied Physics, 2011, 50, 010103.	1.5	2
26	Spin Torque and Zeta Force of Dimer of Alkali Atoms. Journal of the Physical Society of Japan, 2010, 79, 084302.	1.6	18
27	CDMS II result and light Higgs boson scenario of the MSSM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	7
28	Theoretical study of the migration of the hydrogen atom adsorbed on aluminum nanowire. Surface Science, 2010, 604, 1718-1726.	1.9	7
29	Quantum chemical approaches to the electronic structures of nano-electronics materials. , 2010, , .		0
30	Local Dielectric Property of Hafnium and Lanthanum Atoms in HfLaO _x . Japanese Journal of Applied Physics, 2010, 49, 121504.	1.5	18
31	Local Dielectric Property of Cubic Hafnia. Japanese Journal of Applied Physics, 2010, 49, 111504.	1.5	15
32	Calculation of the Electronic State in Electronic Current for Nanowire Models. Japanese Journal of Applied Physics, 2010, 49, 115002.	1.5	19
33	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
34	Relic abundance of dark matter in universal extra dimension models with right-handed neutrinos. , 2009, , .		0
35	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
36	Production rate of second KK gauge bosons in UED models at LHC. , 2009, , .		0

3

MASATO SENAMI

#	Article	IF	CITATIONS
37	Productions of second Kaluza-Klein gauge bosons in the minimal universal extra dimension model at LHC. Physical Review D, 2009, 80, .	4.7	16
38	Theoretical study of the hydrogen adsorption on AlB nanowire. Journal of Power Sources, 2008, 184, 60-76.	7.8	9
39	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
40	Electronic Structure Study of Local Dielectric Properties of Lanthanoid Oxide Clusters. Japanese Journal of Applied Physics, 2008, 47, 205-211.	1.5	17
41	Relic abundance of dark matter in universal extra dimension models with right-handed neutrinos. Physical Review D, 2007, 76, .	4.7	18
42	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
43	Relic abundance of dark matter in the minimal universal extra dimension model. Physical Review D, 2006, 74, .	4.7	67
44	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
45	Significant effects of second Kaluza-Klein particles on dark matter physics. Physical Review D, 2005, 71,	4.7	56