

Yoshiharu Nakamura

List of Publications by Year in descending order

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29
papers

2,542
citations

516710

16
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

910
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Peregrine Solitons in a Multicomponent Plasma with Negative Ions. Physical Review Letters, 2011, 107, 255005.	7.8	610
2	Observation of Ion-Acoustic Shocks in a Dusty Plasma. Physical Review Letters, 1999, 83, 1602-1605.	7.8	558
3	Observation of ion-acoustic solitary waves in a dusty plasma. Physics of Plasmas, 2001, 8, 3921-3926.	1.9	259
4	Observation of Modified Kortewegâ€”de Vries Solitons in a Multicomponent Plasma with Negative Ions. Physical Review Letters, 1984, 52, 2356-2359.	7.8	207
5	Observation of Ion-Acoustic Rarefaction Solitons in a Multicomponent Plasma with Negative Ions. Physical Review Letters, 1984, 52, 275-278.	7.8	163
6	Experiments on Ion-Acoustic Solitons in Plasmas Invited Review Article. IEEE Transactions on Plasma Science, 1982, 10, 180-195.	1.3	127
7	Experiments on ion-acoustic rarefactive solitons in a multi-component plasma with negative ions. Journal of Plasma Physics, 1985, 33, 237-248.	2.1	125
8	Oblique collision of modified Kortewegâ€”de Vries ion-acoustic solitons. Physics of Plasmas, 1999, 6, 3466-3470.	1.9	79
9	Observation of modulational instability in a multi-component plasma with negative ions. Journal of Plasma Physics, 1993, 50, 231-242.	2.1	73
10	Observation of second order ion acoustic Peregrine breather in multicomponent plasma with negative ions. Physics of Plasmas, 2016, 23, .	1.9	49
11	Bow Shock Formation in a Complex Plasma. Physical Review Letters, 2012, 108, 065004.	7.8	46
12	Observation of sheath modification in laboratory dusty plasma. Physics of Plasmas, 2007, 14, .	1.9	45
13	Characteristics of ion-acoustic solitary wave in a laboratory dusty plasma under the influence of ion-beam. Physics of Plasmas, 2012, 19, .	1.9	33
14	Resonant interaction of cylindrical ion-acoustic solitons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 85, 151-154.	2.1	31
15	Observation of dust acoustic shock wave in a strongly coupled dusty plasma. Physics of Plasmas, 2016, 23, .	1.9	28
16	Observation of dust acoustic multi-solitons in a strongly coupled dusty plasma. Physics of Plasmas, 2016, 23, 093704.	1.9	17
17	Oblique collision of dust acoustic solitons in a strongly coupled dusty plasma. Physics of Plasmas, 2015, 22, .	1.9	15
18	A complex plasma device of large surface area. Review of Scientific Instruments, 2008, 79, 033504.	1.3	14

#	ARTICLE	IF	CITATIONS
19	Effect of ion beam on the propagation of rarefactive solitons in multicomponent plasma with negative ions. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	13
20	Dust charge measurement in a strongly coupled dusty plasma produced by an rf discharge. <i>Plasma Sources Science and Technology</i> , 2012, 21, 045002.	3.1	13
21	Measurements of electric charge and screening length of microparticles in a plasma sheath. <i>Physics of Plasmas</i> , 2009, 16, 043704.	1.9	11
22	Vortex formation in a strongly coupled dusty plasma flow past an obstacle. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	11
23	Observation of ion-acoustic shock wave transition due to enhanced Landau damping. <i>Physics of Plasmas</i> , 2008, 15, 052311.	1.9	10
24	Influence of B Content on the Magnetostrictive Properties of Single-Crystalline, Poly-Crystalline, and Amorphous Fe-Co-B Alloy Films. <i>Journal of the Magnetism Society of Japan</i> , 2021, 45, 136-141.	0.9	4
25	Shock Wave Propagation in a Dusty Plasma Crystal. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	1
26	Observation of Bow Structures in a Complex Plasma. , 2011, , .		0
27	10.1063/1.4950832.1. , 2016, , .		0
28	10.1063/1.4962566.1. , 2016, , .		0
29	10.1063/5.0022356.1. , 2020, , .		0