

Abhijit Sen

List of Publications by Year in descending order

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208
papers

5,984
citations

117625

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210
all docs

210
docs citations

210
times ranked

2775
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of recent experimental results from the ADITYA-U tokamak. Nuclear Fusion, 2022, 62, 042017.	3.5	10
2	Experimental validation of universal plasma blob formation mechanism. Nuclear Fusion, 2022, 62, 026027.	3.5	8
3	Electron bounce-cyclotron resonance in capacitive discharges at low magnetic fields. Physical Review Research, 2022, 4, .	3.6	20
4	Studies on impurity seeding and transport in edge and SOL of tokamak plasma. Nuclear Fusion, 2022, 62, 036001.	3.5	3
5	Bispectral analysis of nonlinear mixing in a periodically driven Kortewegâ€“de Vries system. Physics of Plasmas, 2022, 29, .	1.9	5
6	Data driven discovery of a model equation for anode-glow oscillations in a low pressure plasma discharge. Physics of Plasmas, 2022, 29, 042112.	1.9	1
7	Edge biasing and its impact on the edge and SOL turbulence. Nuclear Fusion, 2022, 62, 086030.	3.5	2
8	Investigating the effects of electron bounce-cyclotron resonance on plasma dynamics in capacitive discharges operated in the presence of a weak transverse magnetic field. Physics of Plasmas, 2022, 29, .	1.9	14
9	Experimental observation of pinned solitons in a flowing dusty plasma. Physical Review E, 2021, 103, 013201.	2.1	10
10	Physical Origin of Short Scale Plasma Structures in the Auroral F Region. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028422.	2.4	3
11	Finite electron temperature gradient effects on blob formation in the scrape-off layer of a tokamak plasma. Nuclear Fusion, 2021, 61, 066008.	3.5	7
12	Thermodynamics and self-organization of strongly coupled Coulomb clusters: An experimental study. Physics of Plasmas, 2021, 28, 073702.	1.9	0
13	Effect of in-plane shear flow on the magnetic island coalescence instability. Physics of Plasmas, 2021, 28, .	1.9	3
14	DPEX-II: a new dusty plasma device capable of producing large sized DC coulomb crystals. Plasma Sources Science and Technology, 2021, 30, 085003.	3.1	14
15	Precursor Magnetosonic Solitons from Moving Charged Objects in the Ionosphere. , 2021, , .		0
16	Driving frequency effect on discharge parameters and higher harmonic generation in capacitive discharges at constant power densities. Journal Physics D: Applied Physics, 2021, 54, 055205.	2.8	12
17	Collisional drift wave instability in an ultracold neutral plasma. Physics of Plasmas, 2021, 28, 102101.	1.9	0
18	Reflection of a dust acoustic solitary wave in a dusty plasma. Physics of Plasmas, 2021, 28, .	1.9	7

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19	Runaway electron mitigation with supersonic molecular beam injection (SMBI) in ADITYA-U tokamak. Nuclear Fusion, 2021, 61, 016027.	3.5	3
20	A forced Kortewegâ€“de Vries model for nonlinear mixing of oscillations in a dusty plasma. Physics of Plasmas, 2020, 27, .	1.9	9
21	Reply to the â€“Comment on â€œUnprecedented 30 K hysteresis across switchable dielectric and magnetic properties in a bright luminescent organicâ€“inorganic halide (CH ₆ N ₃) ₂ MnCl ₄ â€™ by M. Szafranski, <i>J. Mater. Chem. C</i>, 2020, 8, 2594. Journal of Materials Chemistry C, 2020, 8, 12330-12331.	5.5	0
22	Excitation of dust acoustic shock waves in an inhomogeneous dusty plasma. Physics of Plasmas, 2020, 27, .	1.9	8
23	Simulation of the internal kink mode in visco-resistive regimes. Nuclear Fusion, 2020, 60, 046004.	3.5	2
24	Experimental observation of a first-order phase transition in a complex plasma monolayer crystal. Physical Review E, 2020, 101, 043209.	2.1	15
25	Precursor magneto-sonic solitons in a plasma from a moving charge bunch. New Journal of Physics, 2020, 22, 073057.	2.9	12
26	Effects of nitrogen seeding in a tokamak plasma. Physics of Plasmas, 2020, 27, .	1.9	8
27	Nonlinear Precursor Waves from a Moving Charged Object in a Plasma. , 2019, , .		1
28	Experimental investigation of test particle induced micro-structural changes in a finite two-dimensional complex plasma crystal. Physics of Plasmas, 2019, 26, 103701.	1.9	2
29	Stimulated Fore-wake Excitations from Moving Charged Objects in the Ionosphere. , 2019, , .		0
30	Influence of select discharge parameters on electric field transients triggered in collisionless very high frequency capacitive discharges. Physics of Plasmas, 2019, 26, .	1.9	22
31	Kinetic particle simulations in a global toroidal geometry. Physics of Plasmas, 2019, 26, 082507.	1.9	2
32	Effect of size and shape of a moving charged object on the propagation characteristics of precursor solitons. Physics of Plasmas, 2019, 26, .	1.9	23
33	Numerical simulation of the effect of pellet injection on ELMs. Plasma Physics and Controlled Fusion, 2019, 61, 085019.	2.1	2
34	Collective dynamics of globally delay-coupled complex Ginzburg-Landau oscillators. Chaos, 2019, 29, 053104.	2.5	4
35	Electric field filamentation and higher harmonic generation in very high frequency capacitive discharges. Journal Physics D: Applied Physics, 2019, 52, 365201.	2.8	26
36	Coherent nonlinear oscillations in magnetohydrodynamic plasma. Physics of Plasmas, 2019, 26, .	1.9	1

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37	Dynamics of mutual harmonic synchronization between two coupled glow discharge plasma systems. Physics of Plasmas, 2019, 26, 032305.	1.9	2
38	Overview of operation and experiments in the ADITYA-U tokamak. Nuclear Fusion, 2019, 59, 112006.	3.5	28
39	Unprecedented 30 K hysteresis across switchable dielectric and magnetic properties in a bright luminescent organic-inorganic halide (CH ₆ N ₃) ₂ MnCl ₄ . Journal of Materials Chemistry C, 2019, 7, 4838-4845.	5.5	37
40	Micro-dynamics of neutral flow induced dusty plasma flow. Physics of Plasmas, 2019, 26, .	1.9	9
41	A universal mechanism for plasma blob formation. Physics of Plasmas, 2019, 26, .	1.9	15
42	Recurrence in three dimensional magnetohydrodynamic plasma. Physics of Plasmas, 2019, 26, .	1.9	4
43	Harmonics Of Drift Tearing Modes In ADITYA Tokamak. , 2019, , .		0
44	Low Frequency ($f < 200$ Hz) Polar Plasmaspheric Hiss: Coherent and Intense. Journal of Geophysical Research: Space Physics, 2019, 124, 10063-10084.	2.4	11
45	Nonlinear precursor waves from a moving charged object in a plasma. URSI Radio Science Bulletin, 2019, 2019, 32-41.	0.1	0
46	Excitation of nonlinear wave patterns in flowing complex plasmas. AIP Conference Proceedings, 2018, , .	0.4	0
47	Coulomb explosion and fission of charged dust clusters. AIP Conference Proceedings, 2018, , .	0.4	6
48	A Review of Alfvénic Turbulence in High-Speed Solar Wind Streams: Hints From Cometary Plasma Turbulence. Journal of Geophysical Research: Space Physics, 2018, 123, 2458-2492.	2.4	51
49	Order-disorder structural phase transition and magnetocaloric effect in organic-inorganic halide hybrid (C ₂ H ₅ NH ₃) ₂ CoCl ₄ . Journal of Solid State Chemistry, 2018, 258, 431-440.	2.9	20
50	Experimental observation of cnoidal waveform of nonlinear dust acoustic waves. Physics of Plasmas, 2018, 25, .	1.9	24
51	Experimental observation of a dusty plasma crystal in the cathode sheath of a DC glow discharge plasma. Physics of Plasmas, 2018, 25, .	1.9	24
52	Effect of time varying transmission rates on the coupled dynamics of epidemic and awareness over a multiplex network. Chaos, 2018, 28, 113125.	2.5	8
53	Experimental investigation of dynamical structures formed due to a complex plasma flowing past an obstacle. Physics of Plasmas, 2018, 25, .	1.9	8
54	A dust particle based technique to measure potential profiles in a plasma. Physics of Plasmas, 2018, 25, 083711.	1.9	9

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55	Visco-resistive MHD study of internal kink ($m = 1$) modes. Physics of Plasmas, 2018, 25, 022504.	1.9	7
56	Summary of basic plasma physics sessions at the first Asia Pacific Plasma Conference, 2017. Reviews of Modern Plasma Physics, 2018, 2, 1.	4.1	0
57	Spatial symmetry breaking in single-frequency CCP discharge with transverse magnetic field. Physics of Plasmas, 2018, 25, .	1.9	25
58	Plasma density and ion energy control via driving frequency and applied voltage in a collisionless capacitively coupled plasma discharge. Physics of Plasmas, 2018, 25, .	1.9	33
59	Amplitude mediated chimera states with active and inactive oscillators. Chaos, 2018, 28, 053109.	2.5	11
60	Collective dynamics of time-delay-coupled phase oscillators in a frustrated geometry. Physical Review E, 2017, 95, 012204.	2.1	3
61	Nonlinear dynamics of turbulence driven magnetic islands. I. Theoretical aspects. Physics of Plasmas, 2017, 24, .	1.9	12
62	Nonlinear dynamics of turbulence driven magnetic islands. II. Numerical simulations. Physics of Plasmas, 2017, 24, .	1.9	12
63	Interaction and propagation characteristics of two counter and co-propagating Mach cones in a dusty plasma. Physics of Plasmas, 2017, 24, 033706.	1.9	2
64	Observation of thick toroidal filaments during the disruptive phase of Aditya tokamak plasma. Physics of Plasmas, 2017, 24, .	1.9	6
65	Amplification of a turbulence driven seed magnetic island by bootstrap current. Nuclear Fusion, 2017, 57, 072010.	3.5	10
66	Nonlinear simulation of ELM dynamics in the presence of resonant magnetic perturbations. Nuclear Fusion, 2017, 57, 076001.	3.5	7
67	External control of the synchronization dynamics of two inductively coupled glow discharge plasma sources. Physics of Plasmas, 2017, 24, 102316.	1.9	3
68	A dynamical framework to relate perceptual variability with multisensory information processing. Scientific Reports, 2016, 6, 31280.	3.3	12
69	Wakes and precursor soliton excitations by a moving charged object in a plasma. Physics of Plasmas, 2016, 23, .	1.9	30
70	Experimental investigation of flow induced dust acoustic shock waves in a complex plasma. Physics of Plasmas, 2016, 23, 083701.	1.9	22
71	Experimental observation of phase-flip transitions in two inductively coupled glow discharge plasmas. Physical Review E, 2016, 94, 061201.	2.1	6
72	Flowing dusty plasma experiments: generation of flow and measurement techniques. Plasma Sources Science and Technology, 2016, 25, 065021.	3.1	19

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73	Coulomb fission of a dusty plasma. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	12
74	Experimental observation of precursor solitons in a flowing complex plasma. <i>Physical Review E</i> , 2016, 93, 041201.	2.1	50
75	Fore-wake excitations from moving charged objects in a complex plasma. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	24
76	Rayleigh-Taylor instability in dusty plasma experiment. <i>Physics of Plasmas</i> , 2015, 22, 083707.	1.9	20
77	Dusty Plasma Experimental (DPEX) device for complex plasma experiments with flow. <i>Review of Scientific Instruments</i> , 2015, 86, 113503.	1.3	34
78	25th IAEA Fusion Energy Conference: summary of sessions EX/S, EX/W and ICC. <i>Nuclear Fusion</i> , 2015, 55, 104024.	3.5	0
79	Modelling and analytic studies of sheared flow effects on tearing modes. <i>Nuclear Fusion</i> , 2015, 55, 053016.	3.5	37
80	Microscopic Origin of Shear Relaxation in a Model Viscoelastic Liquid. <i>Physical Review Letters</i> , 2015, 114, 055002.	7.8	23
81	Synchronization between two coupled direct current glow discharge plasma sources. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	18
82	Novel approaches for mitigating runaway electrons and plasma disruptions in ADITYA tokamak. <i>Nuclear Fusion</i> , 2015, 55, 063010.	3.5	14
83	Particle-in-cell simulation of large amplitude ion-acoustic solitons. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	20
84	Generation of a magnetic island by edge turbulence in tokamak plasmas. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	12
85	Molecular dynamics simulations of soliton-like structures in a dusty plasma medium. <i>Physics of Plasmas</i> , 2015, 22, 033706.	1.9	9
86	Chimera states in a population of identical oscillators under planar cross-coupling. <i>Pramana - Journal of Physics</i> , 2015, 84, 229-235.	1.8	21
87	Nonlinear wave excitations by orbiting charged space debris objects. <i>Advances in Space Research</i> , 2015, 56, 429-435.	2.6	92
88	Indirect detection of charged space debris via nonlinear wave excitations. , 2015, , .		0
89	A Critique of Recent Semi-Classical Spin-Half Quantum Plasma Theories. <i>Contributions To Plasma Physics</i> , 2015, 55, 3-11.	1.1	20
90	Theoretical study of head-on collision of dust acoustic solitary waves in a strongly coupled complex plasma. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	29

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91	Dynamics of compressional Mach cones in a strongly coupled complex plasma. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	3
92	Comment on "Spin-Gradient-Driven Light Amplification in a Quantum Plasma". <i>Physical Review Letters</i> , 2014, 112, 129501.	7.8	10
93	Exact propagating nonlinear singular disturbances in strongly coupled dusty plasmas. <i>Physics of Plasmas</i> , 2014, 21, 083701.	1.9	4
94	Time-delay effects on the aging transition in a population of coupled oscillators. <i>Physical Review E</i> , 2014, 90, 042904.	2.1	36
95	A signature for turbulence driven magnetic islands. <i>Physics of Plasmas</i> , 2014, 21, 092303.	1.9	19
96	Kelvin-Helmholtz instability in dusty plasma medium: Fluid and particle approach. <i>Journal of Plasma Physics</i> , 2014, 80, 817-823.	2.1	10
97	On the existence of vapor-liquid phase transition in dusty plasmas. <i>Physics of Plasmas</i> , 2014, 21, 103705.	1.9	3
98	Chimera States: The Existence Criteria Revisited. <i>Physical Review Letters</i> , 2014, 112, 144101.	7.8	227
99	Diverse routes of transition from amplitude to oscillation death in coupled oscillators under additional repulsive links. <i>Physical Review E</i> , 2014, 89, 032901.	2.1	44
100	Experimental observation of extreme multistability in an electronic system of two coupled Rössler oscillators. <i>Physical Review E</i> , 2014, 89, 022918.	2.1	86
101	Amplitude-mediated chimera states. <i>Physical Review E</i> , 2013, 88, 042917.	2.1	141
102	Tearing mode stability in a toroidally flowing plasma. <i>Nuclear Fusion</i> , 2013, 53, 053006.	3.5	15
103	Nonlinear dynamics of multiple neoclassical tearing modes in tokamaks. <i>Physics of Plasmas</i> , 2013, 20, 042505.	1.9	3
104	Inverse cascades in turbulence and the case of rotating flows. <i>Physica Scripta</i> , 2013, T155, 014032.	2.5	21
105	Observation of sharply peaked solitons in dusty plasma simulations. <i>New Journal of Physics</i> , 2012, 14, 063008.	2.9	12
106	Longitudinal singular response of dusty plasma medium in weak and strong coupling limits. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	7
107	Dust cluster explosion. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	17
108	Kelvin-Helmholtz instability in a weakly coupled dust fluid. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	9

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109	A KdV-like advectionâ€ dispersion equation with some remarkable properties. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4115-4124.	3.3	25
110	Phase mixing/wave breaking studies of large amplitude oscillations in a cold homogeneous unmagnetized plasma. Plasma Physics and Controlled Fusion, 2011, 53, 074014.	2.1	21
111	Intrinsic toroidal and poloidal flow generation in the background of ion temperature gradient turbulence. Nuclear Fusion, 2011, 51, 013002.	3.5	10
112	Relativistic electromagnetic flat top solitons and their stability. Physics of Plasmas, 2011, 18, .	1.9	19
113	A Sniffer Technique for an Efficient Deduction of Model Dynamical Equations Using Genetic Programming. Lecture Notes in Computer Science, 2011, , 1-12.	1.3	3
114	Introduction to Neoclassical Tearing Modes and the Role of Rotation. Fusion Science and Technology, 2011, 59, 526-538.	1.1	0
115	Gyrokinetic analysis of tearing instabilities in a collisionless plasma. Physics of Plasmas, 2011, 18, 032112.	1.9	1
116	Phase-locked solutions and their stability in the presence of propagation delays. Pramana - Journal of Physics, 2011, 77, 905-915.	1.8	7
117	Generation and Amplification of Magnetic Islands by Drift Interchange Turbulence. Physical Review Letters, 2011, 107, 095003.	7.8	41
118	Existence and stability of traveling-wave states in a ring of nonlocally coupled phase oscillators with propagation delays. Physical Review E, 2011, 84, 066203.	2.1	3
119	Multi-CPU simulation of the tearing mode and ($m=1, n=1$) internal resistive kink mode. Journal of Physics: Conference Series, 2010, 208, 012053.	0.4	0
120	Collective Dynamics of Strongly Coupled Dusty Plasmas. , 2010, , .		0
121	Effect of polarization force on the propagation of dust acoustic solitary waves. New Journal of Physics, 2010, 12, 073002.	2.9	66
122	Nonlinear wave propagation in strongly coupled dusty plasmas. Physical Review E, 2010, 81, 036407.	2.1	47
123	Synchronous solutions and their stability in nonlocally coupled phase oscillators with propagation delays. Physical Review E, 2010, 81, 056213.	2.1	7
124	Nonlinear Dynamics of Magnetic Islands Imbedded in Small-Scale Turbulence. Physical Review Letters, 2009, 103, 145001.	7.8	32
125	Effect of the curvature and the \hat{r}^2 parameter on the nonlinear dynamics of a drift tearing magnetic island. Nuclear Fusion, 2009, 49, 055016.	3.5	28
126	ETG turbulence effects on the evolution of an NTM. Nuclear Fusion, 2009, 49, 115012.	3.5	6

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127	Phase mixing of relativistically intense waves in a cold homogeneous plasma. <i>Physical Review E</i> , 2009, 79, 026404.	2.1	34
128	Investigation of gas puff induced fluctuation suppression in ADITYA tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 095010.	2.1	16
129	Amplitude Death, Synchrony, and Chimera States in Delay Coupled Limit Cycle Oscillators. <i>Understanding Complex Systems</i> , 2009, , 1-43.	0.6	2
130	Linearly polarized superluminal electromagnetic solitons in cold relativistic plasmas. <i>Physical Review E</i> , 2009, 80, 016406.	2.1	12
131	Principal physics developments evaluated in the ITER design review. <i>Nuclear Fusion</i> , 2009, 49, 065012.	3.5	200
132	Driven transverse shear waves in a strongly coupled dusty plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 5467-5470.	2.1	16
133	Clustered Chimera States in Delay-Coupled Oscillator Systems. <i>Physical Review Letters</i> , 2008, 100, 144102.	7.8	255
134	Experimental Study of Nonlinear Dust Acoustic Solitary Waves in a Dusty Plasma. <i>Physical Review Letters</i> , 2008, 101, 065006.	7.8	194
135	Visco-elastic effects in strongly coupled dusty plasmas. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
136	Coherent Structures and Intermittency in Plasma Turbulence. , 2008, , .		0
137	Nonlinear Generalized Hydrodynamic Wave Equations in Strongly Coupled Dusty Plasmas. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
138	Nonlinear viscoresistive dynamics of the m=1 tearing instability. <i>Physics of Plasmas</i> , 2008, 15, 022502.	1.9	14
139	Stability of one-dimensional relativistic laser plasma envelope solitons. <i>Journal of Physics: Conference Series</i> , 2008, 112, 022110.	0.4	1
140	Dynamical origin of shear flow induced modifications of magnetic islands. <i>Nuclear Fusion</i> , 2007, 47, 1238-1243.	3.5	22
141	Quasisteady state interpulse plasmas. <i>Journal of Applied Physics</i> , 2007, 101, 113311.	2.5	17
142	Coherence resonance in an autapse neuron model with time delay. , 2007, , .		0
143	Stability of nonlinear one-dimensional laser pulse solitons in a plasma. <i>Physics of Plasmas</i> , 2007, 14, 072307.	1.9	30
144	Zero-dimensional model for magnetic curvature driven Rayleigh Taylor turbulence simulations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 378, 211-222.	2.6	3

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145	Coherence resonance in an excitable system with time delay. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 227-230.	2.1	21
146	Experimental observation of strong coupling effects on the dispersion of dust acoustic waves in a plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 368, 491-494.	2.1	36
147	Death island boundaries for delay-coupled oscillator chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 355, 202-206.	2.1	33
148	Excitable dynamics in the presence of time delay. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 285-289.	2.1	6
149	Fluid simulation studies of the dynamical behavior of one-dimensional relativistic electromagnetic solitons. Physics of Plasmas, 2006, 13, 032309.	1.9	34
150	Analysis of tokamak data using a novel Hilbert transform based technique. Physics of Plasmas, 2006, 13, 082507.	1.9	31
151	Collective dynamics of delay-coupled limit cycle oscillators. Pramana - Journal of Physics, 2005, 64, 465-482.	1.8	0
152	Collective dynamics of delay-coupled limit cycle oscillators. Pramana - Journal of Physics, 2005, 64, 465-482.	1.8	9
153	Effect of sheared flows on classical and neoclassical tearing modes. Nuclear Fusion, 2005, 45, 524-530.	3.5	55
154	Edge and scrape-off layer tokamak plasma turbulence simulation using two-field fluid model. Physics of Plasmas, 2005, 12, 072520.	1.9	47
155	Rayleigh-Taylor instability driven nonlinear vortices in dusty plasmas. Physics of Plasmas, 2005, 12, 044506.	1.9	11
156	Nonlinear saturated states of the magnetic-curvature-driven Rayleigh-Taylor instability in three dimensions. Physics of Plasmas, 2005, 12, 032302.	1.9	5
157	Formation of a density blob and its dynamics in the edge and the scrape-off layer of a tokamak plasma. Physics of Plasmas, 2005, 12, 102515.	1.9	57
158	Interfacial Instability Triggered Coulomb Crystallization of Charged Water Droplets. Physical Review Letters, 2004, 93, .	7.8	0
159	Simulation of plasma transport by coherent structures in scrape-off-layer tokamak plasmas. Physics of Plasmas, 2004, 11, 4018-4024.	1.9	52
160	Phase-locked patterns and amplitude death in a ring of delay-coupled limit cycle oscillators. Physical Review E, 2004, 69, 056217.	2.1	85
161	Experimental observation of dust-acoustic wave turbulence. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 312, 84-90.	2.1	49
162	Driven response of time delay coupled limit cycle oscillators. Communications in Nonlinear Science and Numerical Simulation, 2003, 8, 493-518.	3.3	7

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163	Weakly relativistic one-dimensional laser pulse envelope solitons in a warm plasma. <i>Physics of Plasmas</i> , 2002, 9, 3802-3810.	1.9	48
164	Laser envelope solitons in cold overdense plasmas. <i>Physics of Plasmas</i> , 2002, 9, 1820-1823.	1.9	51
165	Experimental Observations of Transverse Shear Waves in Strongly Coupled Dusty Plasmas. <i>Physical Review Letters</i> , 2002, 88, 175001.	7.8	98
166	Zonal and streamer structures in magnetic-curvature-driven Rayleigh–Taylor instability. <i>Physics of Plasmas</i> , 2001, 8, 5104-5112.	1.9	27
167	Spectrum of Electrostatic Modes in a Cylindrical Non-neutral Plasma of Arbitrary Density. <i>Journal of Computational Physics</i> , 2000, 159, 312-328.	3.8	3
168	Dynamics of a limit cycle oscillator under time delayed linear and nonlinear feedbacks. <i>Physica D: Nonlinear Phenomena</i> , 2000, 144, 335-357.	2.8	87
169	Control of neoclassical tearing modes in large tokamaks. <i>Nuclear Fusion</i> , 2000, 40, 707-712.	3.5	2
170	Experimental Evidence of Time-Delay-Induced Death in Coupled Limit-Cycle Oscillators. <i>Physical Review Letters</i> , 2000, 85, 3381-3384.	7.8	275
171	Cylindrical solitary envelope pulses in warm overdense plasmas. <i>Physics of Plasmas</i> , 2000, 7, 1056-1059.	1.9	4
172	Instability of shear waves in an inhomogeneous strongly coupled dusty plasma. <i>Physics of Plasmas</i> , 2000, 7, 3188-3193.	1.9	18
173	Viscous instability in a non-neutral plasma. <i>Physics of Plasmas</i> , 1999, 6, 729-736.	1.9	0
174	Computation of the diocotron spectrum of a cylindrical non-neutral plasma. <i>Physics of Plasmas</i> , 1999, 6, 3442-3449.	1.9	8
175	Time delay effects on coupled limit cycle oscillators at Hopf bifurcation. <i>Physica D: Nonlinear Phenomena</i> , 1999, 129, 15-34.	2.8	171
176	Low frequency modes in strongly coupled dusty plasmas. <i>Physics of Plasmas</i> , 1998, 5, 3552-3559.	1.9	366
177	Stationary modes in a non-neutral plasma. <i>Physics of Plasmas</i> , 1998, 5, 895-901.	1.9	3
178	Forced magnetic field line reconnection in electron magnetohydrodynamics. <i>Physics of Plasmas</i> , 1998, 5, 2849-2860.	1.9	52
179	Time Delay Induced Death in Coupled Limit Cycle Oscillators. <i>Physical Review Letters</i> , 1998, 80, 5109-5112.	7.8	531
180	Ponderomotive modification of drift tearing modes. <i>Physics of Plasmas</i> , 1997, 4, 1166-1168.	1.9	0

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181	Effect of rigid toroidal rotation on the stability of a tokamak plasma to tearing modes. Physics of Plasmas, 1997, 4, 239-241.	1.9	3
182	Nonlinear saturation of the Rayleighâ€‘Taylor instability. Physics of Plasmas, 1997, 4, 1018-1027.	1.9	14
183	Feedback control of tearing modes via modulated neutral beams. Physics of Plasmas, 1997, 4, 3217-3221.	1.9	9
184	Nonlinear propagation of relativistically intense electromagnetic waves in a collisionless plasma. Pramana - Journal of Physics, 1997, 48, 675-692.	1.8	3
185	Nonlinear coupling of a superluminal electromagnetic wave to a relativistic electron beam. Journal of Plasma Physics, 1996, 56, 209-220.	2.1	10
186	Chaotic dynamics of charged particles in the field of two monochromatic waves in a magnetized plasma. Chaos, 1996, 6, 451-460.	2.5	14
187	Theory of drift waves in the presence of parallel and perpendicular flow curvature. I. Slab model. Physics of Plasmas, 1996, 3, 2224-2228.	1.9	7
188	Space charge effects in the Paul trap. Physics of Plasmas, 1995, 2, 3569-3572.	1.9	6
189	Characterization of Coherent Structures in Tokamak Edge Turbulence. Physical Review Letters, 1994, 73, 3403-3406.	7.8	64
190	Nonlinear 1D laser pulse solitons for particle acceleration. Physica Scripta, 1994, T50, 47-50.	2.5	7
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