

J Juul Rasmussen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

262
papers

7,872
citations

47
h-index

78
g-index

280
ext. papers

8,420
ext. citations

2.8
avg, IF

5.58
L-index

#	Paper	IF	Citations
262	Comparison of dynamical features between the fast H-L and the H-I-L transition for EAST RF-heated plasmas. <i>Physica Scripta</i> , 2022 , 97, 015601	2.6	1
261	Conservation of currents in reduced full-F electromagnetic kinetic and fluid models. <i>Plasma Physics and Controlled Fusion</i> , 2022 , 64, 054005	2	1
260	Black swans, extreme risks, and the e-pile model of self-organized criticality. <i>Chaos, Solitons and Fractals</i> , 2021 , 144, 110665	9.3	1
259	Edge turbulence in ISTTOK: a multi-code fluid validation. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 055013	2	3
258	Quiescent regions below the X-point in ASDEX upgrade. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 065005	2	2
257	Self-consistent model of the plasma staircase and nonlinear Schrödinger equation with subquadratic power nonlinearity. <i>Physical Review E</i> , 2021 , 103, 052218	2.4	2
256	Dynamics of seeded blobs under the influence of inelastic neutral interactions. <i>Physics of Plasmas</i> , 2020 , 27, 052302	2.1	6
255	Collisional multispecies drift fluid model. <i>Physics of Plasmas</i> , 2020 , 27, 032305	2.1	6
254	Influence of injection parameters on fueling efficiency of supersonic molecular beam injection into turbulent fusion plasmas. <i>Physics of Plasmas</i> , 2020 , 27, 062515	2.1	1
253	Scrape-off layer transport and filament characteristics in high-density tokamak regimes. <i>Nuclear Fusion</i> , 2020 , 60, 016001	3.3	15
252	On the role of integrated computer modelling in fusion technology. <i>Fusion Engineering and Design</i> , 2020 , 157, 111671	1.7	9
251	Physics research on the TCV tokamak facility: from conventional to alternative scenarios and beyond. <i>Nuclear Fusion</i> , 2019 , 59, 112023	3.3	36
250	Study of power width scaling in scrape-off layer with 2D electrostatic turbulence code based on EAST L-mode discharges. <i>Physics of Plasmas</i> , 2019 , 26, 042509	2.1	4
249	Synthetic edge and scrape-off layer diagnostics—bridge between experiments and theory. <i>Nuclear Fusion</i> , 2019 , 59, 086059	3.3	4
248	New diagnostic tools for transport measurements in the scrape-off layer (SOL) of medium-size tokamaks. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 054004	2	5
247	Analytical solutions of pattern formation for a class of discrete AwBascleZhang traffic models. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 73, 391-402	3.7	2
246	Plasma potential probes for hot plasmas. <i>European Physical Journal D</i> , 2019 , 73, 1	1.3	4

245	Statistical study of particle flux footprint widths with tungsten divertor in EAST. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 045001	2	4
244	Plasma particle sources due to interactions with neutrals in a turbulent scrape-off layer of a toroidally confined plasma. <i>Physics of Plasmas</i> , 2018 , 25, 032307	2.1	19
243	Liby flights on a comb and the plasma staircase. <i>Physical Review E</i> , 2018 , 98, 022208	2.4	8
242	Scrape-off layer power fall-off length from turbulence simulations of ASDEX Upgrade L-mode. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 085018	2	12
241	A new model of the L-H transition and H-mode power threshold. <i>Plasma Science and Technology</i> , 2018 , 20, 094003	1.5	1
240	Influence of molecular dissociation on blob-induced atom density perturbations. <i>Nuclear Fusion</i> , 2018 , 58, 096005	3.3	11
239	Autoresonant control of drift waves. <i>Physica Scripta</i> , 2017 , 92, 034001	2.6	
238	Sparse identification of a predator-prey system from simulation data of a convection model. <i>Physics of Plasmas</i> , 2017 , 24, 022310	2.1	49
237	Focus issue to honour Hans L Pöseli on his 70th birthday. <i>Physica Scripta</i> , 2017 , 92, 010301	2.6	
236	Overview of the TCV tokamak program: scientific progress and facility upgrades. <i>Nuclear Fusion</i> , 2017 , 57, 102011	3.3	46
235	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution. <i>Nuclear Fusion</i> , 2017 , 57, 102014	3.3	13
234	Topological bifurcations in the evolution of coherent structures in a convection model. <i>Physics of Plasmas</i> , 2017 , 24, 082301	2.1	4
233	Numerical simulations of blobs with ion dynamics. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 025012	2	29
232	Overview of the JET results in support to ITER. <i>Nuclear Fusion</i> , 2017 , 57, 102001	3.3	125
231	Modification of SOL profiles and fluctuations with line-average density and divertor flux expansion in TCV. <i>Nuclear Fusion</i> , 2017 , 57, 116014	3.3	24
230	EB mean flows in finite ion temperature plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 062309	2.1	2
229	Low-to-High Confinement Transition Mediated by Turbulence Radial Wave Number Spectral Shift in a Fusion Plasma. <i>Physical Review Letters</i> , 2016 , 116, 095002	7.4	11
228	Numerical modeling of the transition from low to high confinement in magnetically confined plasma. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014031	2	32

227	The influence of blobs on neutral particles in the scrape-off layer. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 044010	2	22
226	Temperature dynamics and velocity scaling laws for interchange driven, warm ion plasma filaments. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 044011	2	12
225	Blob dynamics in the TORPEX experiment: a multi-code validation. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 044005	2	37
224	Cold pulse and rotation reversals with turbulence spreading and residual stress. <i>Physics of Plasmas</i> , 2016 , 23, 052512	2.1	16
223	Collisional transport across the magnetic field in drift-fluid models. <i>Physics of Plasmas</i> , 2016 , 23, 032306	2.1	26
222	One-dimensional modelling of limit-cycle oscillation and H-mode power scaling. <i>Nuclear Fusion</i> , 2015 , 55, 053029	3.3	11
221	Gyrofluid potential vorticity equation and turbulent equipartition states. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 054016	2	5
220	Simulation of transition dynamics to high confinement in fusion plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 3097-3101	2.3	35
219	Self-organized criticality revisited: non-local transport by turbulent amplification. <i>Journal of Plasma Physics</i> , 2015 , 81,	2.7	5
218	Overview of the JET results. <i>Nuclear Fusion</i> , 2015 , 55, 104001	3.3	34
217	A mixed SOC-turbulence model for nonlocal transport and Lévy-fractional Fokker-Planck equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 1492-1500	2.3	15
216	Study of the L-H transition with a new dual gas puff imaging system in the EAST superconducting tokamak. <i>Nuclear Fusion</i> , 2014 , 54, 013007	3.3	13
215	New edge coherent mode providing continuous transport in long-pulse H-mode plasmas. <i>Physical Review Letters</i> , 2014 , 112, 185004	7.4	74
214	Electric Probe Measurements of the Poloidal Velocity in the Scrape-Off Layer of ASDEX Upgrade. <i>Contributions To Plasma Physics</i> , 2014 , 54, 273-278	1.4	
213	Langmuir-magnetic probe measurements of ELMs and dithering cycles in the EAST tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 095023	2	5
212	Dynamics of L-H transition and I-phase in EAST. <i>Nuclear Fusion</i> , 2014 , 54, 103002	3.3	26
211	Overview of the JET results with the ITER-like wall. <i>Nuclear Fusion</i> , 2013 , 53, 104002	3.3	58
210	Bifurcation analysis and dimension reduction of a predator-prey model for the L-H transition. <i>Physics of Plasmas</i> , 2013 , 20, 102302	2.1	14

209	Radial transport in the far scrape-off layer of ASDEX Upgrade during L-mode and ELMy H-mode. <i>Nuclear Fusion</i> , 2013 , 53, 043021	3.3	9
208	Statistical characterization of turbulence in the boundary plasma of EAST. <i>Plasma Physics and Controlled Fusion</i> , 2013 , 55, 115007	2	21
207	Profiles and Fluctuations in Edge and SOL Turbulence. <i>Contributions To Plasma Physics</i> , 2012 , 52, 391-400.	1.4	1
206	Magnetic diagnostic of SOL-filaments generated by type I ELMs on JET and ASDEX Upgrade. <i>Journal of Nuclear Materials</i> , 2011 , 415, S869-S872	3.3	1
205	Direct observation of current in type-I edge-localized-mode filaments on the ASDEX Upgrade tokamak. <i>Physical Review Letters</i> , 2011 , 106, 125002	7.4	29
204	A Dip Structure in the Intrinsic Toroidal Rotation Near the Edge of the Ohmic Plasmas in EAST. <i>Plasma Science and Technology</i> , 2011 , 13, 397-404	1.5	12
203	Observation of Blobs and Holes in the Boundary Plasma of EAST Tokamak. <i>Plasma Science and Technology</i> , 2011 , 13, 410-414	1.5	8
202	The influence of finite Larmor radius effects on the radial interchange motions of plasma filaments. <i>Physics of Plasmas</i> , 2011 , 18, 112504	2.1	47
201	Intermittent convective transport carried by propagating electromagnetic filamentary structures in nonuniformly magnetized plasma. <i>Physics of Plasmas</i> , 2010 , 17, 022501	2.1	34
200	Sharp vorticity gradients in two-dimensional turbulence and the energy spectrum. <i>Theoretical and Computational Fluid Dynamics</i> , 2010 , 24, 253-258	2.3	10
199	A Probe Head for Simultaneous Measurements of Electrostatic and Magnetic Fluctuations in ASDEX Upgrade Edge Plasma. <i>Contributions To Plasma Physics</i> , 2010 , 50, 860-865	1.4	6
198	Divorticity and dihelicity in two-dimensional hydrodynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 2309-2311	2.3	4
197	Nonlocal analysis of the excitation of the geodesic acoustic mode by drift waves. <i>Physics of Plasmas</i> , 2009 , 16, 052514	2.1	11
196	Phase-locking phenomena and excitation of damped and driven nonlinear oscillators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 045502	2	4
195	Blob/hole formation and zonal-flow generation in the edge plasma of the JET tokamak. <i>Nuclear Fusion</i> , 2009 , 49, 092002	3.3	66
194	Current filaments in turbulent magnetized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2009 , 51, 124053	1.3	13
193	Sharp vorticity gradients in two-dimensional turbulence and the energy spectrum. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2009 , 269-274	0.3	
192	Self-phasing of drift waves. <i>JETP Letters</i> , 2008 , 88, 91-94	1.2	

191	Fractional diffusion models of non-local perturbative transport: numerical results and application to JET experiments. <i>Nuclear Fusion</i> , 2008 , 48, 075009	3.3	44
190	Turbulence and transport measurements with cold and emissive probes in ISTTOK. <i>Plasma Physics and Controlled Fusion</i> , 2008 , 50, 055004	2	27
189	Turbulent Impurity Transport. <i>AIP Conference Proceedings</i> , 2008 ,	0	6
188	Geodesic acoustic modes excited by finite beta drift waves. <i>Physics of Plasmas</i> , 2008 , 15, 112310	2.1	21
187	Modelling of supercontinuum generation in highly nonlinear photonic crystal fibres. <i>Journal of Optical and Fiber Communications Research</i> , 2008 , 5, 1-21		0
186	Progress in Edge Plasma Transport Modeling on JET. <i>Contributions To Plasma Physics</i> , 2008 , 48, 190-195	1.4	3
185	Stretched-exponential decay functions from a self-consistent model of dielectric relaxation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 2148-2154	2.3	19
184	Stretched exponential relaxation and ac universality in disordered dielectrics. <i>Physical Review B</i> , 2007 , 76,	3.3	12
183	Parallel SOL flow on TCV. <i>Journal of Nuclear Materials</i> , 2007 , 363-365, 505-510	3.3	56
182	Modulational instability in the nonlocal -model. <i>Physica D: Nonlinear Phenomena</i> , 2007 , 227, 8-25	3.3	16
181	Turbulent transport in the TCV SOL. <i>Journal of Nuclear Materials</i> , 2007 , 363-365, 575-580	3.3	54
180	Dissipative processes in interchange driven scrape-off layer turbulence. <i>Nuclear Fusion</i> , 2007 , 47, 417-433	3.3	76
179	Fluctuations and transport in the TCV scrape-off layer. <i>Nuclear Fusion</i> , 2007 , 47, 667-676	3.3	130
178	On the relationship between ELM filaments and solar flares. <i>Plasma Physics and Controlled Fusion</i> , 2007 , 49, R43-R86	2	40
177	Collisionality dependent transport in TCV SOL plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2007 , 49, B47-B57	2	66
176	Effects of sharp vorticity gradients in two-dimensional hydrodynamic turbulence. <i>Physics of Fluids</i> , 2007 , 19, 105110	4.4	23
175	Generation of zonal flows in rotating fluids and magnetized plasmas. <i>Physica Scripta</i> , 2006 , T122, 44-51	2.6	13
174	Edge Plasma Measurements Using Emissive Probes in ISTTOK. <i>AIP Conference Proceedings</i> , 2006 ,	0	2

173	Two-dimensional convection and interchange motions in fluids and magnetized plasmas. <i>Physica Scripta</i> , 2006 , T122, 104-124	2.6	32
172	The application of passive tracers for investigating transport in plasma turbulence. <i>Physica Scripta</i> , 2006 , T122, 129-134	2.6	7
171	Superdiffusion and viscoelastic vortex flows in a two-dimensional complex plasma. <i>Physical Review Letters</i> , 2006 , 96, 105010	7.4	86
170	The bathtub vortex in a rotating container. <i>Journal of Fluid Mechanics</i> , 2006 , 556, 121	3.7	54
169	Interchange turbulence in the TCV scrape-off layer. <i>Plasma Physics and Controlled Fusion</i> , 2006 , 48, L1-L10		127
168	Turbulence simulations of blob formation and radial propagation in toroidally magnetized plasmas. <i>Physica Scripta</i> , 2006 , T122, 89-103	2.6	35
167	Nonlocal solitons 2005 ,		5
166	Fractional generalization of the Ginzburg-Landau equation: an unconventional approach to critical phenomena in complex media. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005 , 337, 75-80	2.3	72
165	Shear flow generation and energetics in electromagnetic turbulence. <i>Physics of Plasmas</i> , 2005 , 12, 052515	15.1	61
164	Turbulence spreading, anomalous transport, and pinch effect. <i>Physics of Plasmas</i> , 2005 , 12, 122306	2.1	47
163	Mechanism and scaling for convection of isolated structures in nonuniformly magnetized plasmas. <i>Physics of Plasmas</i> , 2005 , 12, 090701	2.1	90
162	Anomalous diffusion, clustering, and pinch of impurities in plasma edge turbulence. <i>Physics of Plasmas</i> , 2005 , 12, 062312	2.1	24
161	Up-gradient transport in a probabilistic transport model. <i>Physics of Plasmas</i> , 2005 , 12, 084501	2.1	6
160	Ion temperature gradient driven mode in presence of transverse velocity shear in magnetized plasmas. <i>Physics of Plasmas</i> , 2005 , 12, 074501	2.1	
159	Turbulence and intermittent transport at the boundary of magnetized plasmas. <i>Physics of Plasmas</i> , 2005 , 12, 062309	2.1	91
158	Computations of intermittent transport in scrape-off layer plasmas. <i>Physical Review Letters</i> , 2004 , 92, 165003	7.4	140
157	Beam stabilization in the two-dimensional nonlinear Schrödinger equation with an attractive potential by beam splitting and radiation. <i>Physical Review E</i> , 2004 , 70, 046614	2.4	4
156	Aspects of Turbulent Transport. <i>Contributions To Plasma Physics</i> , 2004 , 44, 546-551	1.4	1

155	Statistical properties of transport in plasma turbulence. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 321, 355-365	2.3	37
154	Modulational instability, solitons and beam propagation in spatially nonlocal nonlinear media. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004 , 6, S288-S294		312
153	Attraction of nonlocal dark optical solitons. <i>Optics Letters</i> , 2004 , 29, 286-8	3	169
152	Phase space vortices in collisionless plasmas. <i>Nonlinear Processes in Geophysics</i> , 2003 , 10, 75-86	2.9	43
151	Toroidal bubbles with circulation in ideal hydrodynamics: a variational approach. <i>Physical Review E</i> , 2003 , 68, 056301	2.4	6
150	Transport barriers and edge localized modes-like bursts in a plasma model with turbulent equipartition profiles. <i>Physics of Plasmas</i> , 2003 , 10, 1075-1082	2.1	19
149	Turbulent flux and the diffusion of passive tracers in electrostatic turbulence. <i>Physics of Plasmas</i> , 2003 , 10, 2696-2703	2.1	46
148	Anatomy of a bathtub vortex. <i>Physical Review Letters</i> , 2003 , 91, 104502	7.4	59
147	The behavior of steady quasisolitons near the limit cases of third-order nonlinear Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 293, 247-250	2.3	1
146	Collapsing dynamics of attractive Bose-Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 304, 136-142	2.3	15
145	Hyperbolic shock waves of the optical self-focusing with normal group-velocity dispersion. <i>Physical Review Letters</i> , 2002 , 89, 153902	7.4	23
144	Generic features of modulational instability in nonlocal Kerr media. <i>Physical Review E</i> , 2002 , 66, 066615	2.4	170
143	Fracton pairing mechanism for unconventional superconductors: Self-assembling organic polymers and copper-oxide compounds. <i>Physical Review B</i> , 2002 , 66,	3.3	24
142	Does a sheared flow stabilize inversely stratified fluid?. <i>Physics of Fluids</i> , 2002 , 14, 1674-1680	4.4	18
141	Collapse arrest and soliton stabilization in nonlocal nonlinear media. <i>Physical Review E</i> , 2002 , 66, 046619	2.4	395
140	Splittings, coalescence, bunch and snake patterns in the 3D nonlinear Schrödinger equation with anisotropic dispersion. <i>Physica D: Nonlinear Phenomena</i> , 2001 , 151, 175-198	3.3	21
139	Reynolds stress and shear flow generation. <i>Plasma Physics and Controlled Fusion</i> , 2001 , 43, 1377-1395	2	11
138	Modulational instability in nonlocal nonlinear Kerr media. <i>Physical Review E</i> , 2001 , 64, 016612	2.4	292

137	Critical conducting networks in disordered solids: ac universality from topological arguments. <i>Physical Review B</i> , 2001 , 64,	3.3	15
136	Finite time singularities in a class of hydrodynamic models. <i>Physical Review E</i> , 2001 , 63, 056306	2.4	9
135	Dynamics of solitons and quasisolitons of the cubic third-order nonlinear Schrödinger equation. <i>Physical Review E</i> , 2001 , 64, 026614	2.4	42
134	Nonlinearity and disorder: classification and stability of nonlinear impurity modes. <i>Physical Review E</i> , 2001 , 63, 036601	2.4	25
133	Dynamics of Vortex Interactions in Two-Dimensional Flows. <i>Physica Scripta</i> , 2001 , T98, 29	2.6	5
132	Self-Focusing and Collapse of Light Beams in Nonlinear Dispersive Media 2000 , 213-228		
131	Linear spin-up in a sliced cylinder. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2000 , 92, 85-114	1.4	5
130	Self-guiding light in layered nonlinear media. <i>Optics Letters</i> , 2000 , 25, 1037-9	3	87
129	Shear-flow instability in a rotating fluid. <i>Journal of Fluid Mechanics</i> , 1999 , 387, 177-204	3.7	28
128	Dispersion of ideal particles in a two-dimensional model of electrostatic turbulence. <i>Physics of Plasmas</i> , 1999 , 6, 4575-4585	2.1	43
127	Fusion, collapse, and stationary bound states of incoherently coupled waves in bulk cubic media. <i>Physical Review E</i> , 1999 , 59, 4600-4613	2.4	14
126	Shear flow effect on ion temperature gradient vortices in plasmas with sheared magnetic field. <i>Physics of Plasmas</i> , 1999 , 6, 3047-3056	2.1	16
125	Two-beam interaction in saturable media. <i>Physics Letters, Section A: General, Atomic and Solid State</i> 1998 , 246, 423-428	2.3	13
124	Wave collapse in bulk media with quadratic and cubic responses. <i>Optics Communications</i> , 1998 , 146, 231-235		10
123	Polaron dynamics in a two-dimensional anharmonic Holstein model. <i>Physical Review B</i> , 1998 , 58, 14305-14319	3.3	25
122	Equipartition and Transport in Two-Dimensional Electrostatic Turbulence. <i>Physical Review Letters</i> , 1998 , 81, 4148-4151	7.4	51
121	Classification of Kink Type Solutions to the Extended Derivative Nonlinear Schrödinger Equation. <i>Physica Scripta</i> , 1998 , 57, 427-435	2.6	10
120	Solitary excitations in discrete two-dimensional nonlinear Schrödinger models with dispersive dipole-dipole interactions. <i>Physical Review B</i> , 1998 , 57, 11303-11318	3.3	24

119	On the interaction between two oppositely signed, shielded, monopolar vortices. <i>Physics of Fluids</i> , 1998 , 10, 3099-3110	4.4	8
118	Pulse Splitting in Nonlinear Media with Anisotropic Dispersion Properties. <i>Physica Scripta</i> , 1998 , T75, 18	2.6	5
117	Tripolar shear-Alfvén vortex structures. <i>Journal of Plasma Physics</i> , 1998 , 60, 383-391	2.7	14
116	Numerical studies of localized wavefields governed by the Raman-extended derivative nonlinear Schrödinger equation. <i>Journal of Physics A</i> , 1997 , 30, 8207-8224		11
115	Pinch effect in two-dimensional turbulence. <i>Plasma Physics and Controlled Fusion</i> , 1997 , 39, 1861-1869	2	3
114	Formation and temporal evolution of the Lamb-dipole. <i>Physics of Fluids</i> , 1997 , 9, 982-991	4.4	45
113	Self-focusing and solitonlike structures in materials with competing quadratic and cubic nonlinearities. <i>Physical Review E</i> , 1997 , 55, 3555-3570	2.4	54
112	Amalgamation of interacting light beamlets in Kerr-type media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 2550	1.7	51
111	Formation of a 2D vortex pair and its 3D breakup: an experimental study. <i>Experiments in Fluids</i> , 1997 , 23, 29-37	2.5	4
110	Dynamics of localized solutions to the Raman-extended derivative nonlinear Schrödinger equation. <i>Journal of Physics A</i> , 1996 , 29, 3581-3595		11
109	Resistive coupling in drift wave turbulence. <i>Plasma Physics and Controlled Fusion</i> , 1996 , 38, 2143-2154	2	5
108	Turbulent transport in low- β plasmas. <i>Physics of Plasmas</i> , 1996 , 3, 1530-1544	2.1	68
107	Self-focusing of chirped optical pulses in media with normal dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996 , 13, 1879	1.7	50
106	Self-focusing of optical pulses in media with normal dispersion. <i>Physica Scripta</i> , 1996 , T67, 17-20	2.6	1
105	Analysis of chaos in plasma turbulence. <i>Physica Scripta</i> , 1996 , T67, 30-32	2.6	
104	Self-organization and coherent structures in plasmas and fluids. <i>Physica Scripta</i> , 1996 , T63, 49-58	2.6	7
103	Dipolar vortices in two-dimensional flows. <i>Mathematics and Computers in Simulation</i> , 1996 , 40, 207-221	3.3	7
102	Modulational instability of plasma waves in two dimensions. <i>Mathematics and Computers in Simulation</i> , 1996 , 40, 223-234	3.3	

101	Discrete localized states and localization dynamics in discrete nonlinear Schrödinger equations. <i>Physica Scripta</i> , 1996 , T67, 160-166	2.6	14
100	Multisplitting and collapse of self-focusing anisotropic beams in normal/anomalous dispersive media. <i>Physics of Plasmas</i> , 1996 , 3, 824-843	2.1	43
99	Dynamics in discrete two-dimensional nonlinear Schrödinger equations in the presence of point defects. <i>Physical Review B</i> , 1996 , 54, 900-912	3.3	37
98	Pulse splitting of self-focusing beams in normally dispersive media. <i>Physical Review A</i> , 1996 , 53, 4476-4486	2.6	12
97	Lyapunov exponents and particle dispersion in drift wave turbulence. <i>Physics of Plasmas</i> , 1996 , 3, 2939-2950	2.5	10
96	Defocusing regimes of nonlinear waves in media with negative dispersion. <i>Physical Review E</i> , 1996 , 53, R1340-R1343	2.4	21
95	Vortex merging and spectral cascade in two-dimensional flows. <i>Physics of Fluids</i> , 1996 , 8, 2263-2265	4.4	21
94	The Eulerian-Lagrangian transformation in two-dimensional random flows. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1995 , 57, 215-223		7
93	Instability of two-dimensional solitons and vortices in defocusing media. <i>Physical Review E</i> , 1995 , 51, 4479-4484	2.4	55
92	Formation of stable solitons in quadratic nonlinear media. <i>Physical Review A</i> , 1995 , 52, R28-R31	2.6	59
91	Dynamics of a nonlinear dipole vortex. <i>Physics of Fluids</i> , 1995 , 7, 2220-2229	4.4	29
90	Electrostatic fluctuations and turbulent plasma transport in low- β plasmas. <i>Physica Scripta</i> , 1995 , 51, 632-637	2.6	7
89	Nonlinear evolution of whistler wave modulational instability. <i>Physics of Plasmas</i> , 1995 , 2, 3302-3319	2.1	7
88	Sharper criteria for the wave collapse. <i>Physica D: Nonlinear Phenomena</i> , 1995 , 87, 273-284	3.3	69
87	Vortex dynamics in plasmas and fluids. <i>Plasma Physics and Controlled Fusion</i> , 1994 , 36, B193-B202	2	9
86	Experimental Evidence for Mode Selection in Turbulent Plasma Transport. <i>Europhysics Letters</i> , 1994 , 27, 209-214	1.6	6
85	Subcritical localization in the discrete nonlinear Schrodinger equation with arbitrary power nonlinearity. <i>Nonlinearity</i> , 1994 , 7, 205-218	1.7	67
84	Dynamical properties of vortical structures on the beta-plane. <i>Journal of Fluid Mechanics</i> , 1994 , 268, 103-131	3.7	53

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