

# Philip J Morrison

## List of Publications by Year in descending order

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169  
papers

6,518  
citations

81900

39  
h-index

79698

73  
g-index

181  
all docs

181  
docs citations

181  
times ranked

1839  
citing authors

#	ARTICLE	IF	CITATIONS
1	The kinetic origin of the fluid helicity—A symmetry in the kinetic phase space. Journal of Mathematical Physics, 2022, 63, 023101.	1.1	2
2	Clebsch canonization of Lie—Poisson systems. Journal of Geometric Mechanics, 2022, 14, 635-658.	0.8	0
3	Transport Barriers in Symplectic Maps. Brazilian Journal of Physics, 2021, 51, 899-909.	1.4	6
4	Hamiltonian kinetic-Hall magnetohydrodynamics with fluid and kinetic ions in the current and pressure coupling schemes. Journal of Plasma Physics, 2021, 87, .	2.1	5
5	Energy-Casimir, dynamically accessible, and Lagrangian stability of extended magnetohydrodynamic equilibria. Physics of Plasmas, 2020, 27, 012104.	1.9	9
6	Hamiltonian nature of monopole dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126101.	2.1	5
7	A class of three-dimensional gyroviscous magnetohydrodynamic models. Journal of Plasma Physics, 2020, 86, .	2.1	4
8	Deformation of Lie—Poisson algebras and chirality. Journal of Mathematical Physics, 2020, 61, 082901.	1.1	6
9	A general metriplectic framework with application to dissipative extended magnetohydrodynamics. Journal of Plasma Physics, 2020, 86, .	2.1	13
10	Lagrangian and Dirac constraints for the ideal incompressible fluid and magnetohydrodynamics. Journal of Plasma Physics, 2020, 86, .	2.1	8
11	Ellipticity conditions for the extended MHD Grad-Shafranov-Bernoulli equilibrium equations. Physics of Plasmas, 2019, 26, .	1.9	2
12	Jovian Vortices and Jets. Fluids, 2019, 4, 104.	1.7	8
13	Unsteady Stokes flow near boundaries: the point-particle approximation and the method of reflections. Journal of Fluid Mechanics, 2018, 841, 883-924.	3.4	12
14	Symplectic Maps for Diverted Plasmas. IEEE Transactions on Plasma Science, 2018, 46, 2354-2361.	1.3	2
15	Relaxation to magnetohydrodynamics equilibria via collision brackets. Journal of Physics: Conference Series, 2018, 1125, 012002.	0.4	2
16	An integral transform technique for kinetic systems with collisions. Physics of Plasmas, 2018, 25, 082118.	1.9	4
17	Calculation of large-aspect-ratio tokamak and toroidally-averaged stellarator equilibria of high-beta reduced magnetohydrodynamics via simulated annealing. Physics of Plasmas, 2018, 25, 082506.	1.9	3
18	Internal wave energy flux from density perturbations in nonlinear stratifications. Journal of Fluid Mechanics, 2018, 856, 898-920.	3.4	6

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19	Helically symmetric extended magnetohydrodynamics: Hamiltonian formulation and equilibrium variational principles. <i>Journal of Plasma Physics</i> , 2018, 84, .	2.1	7
20	Direction of cascades in a magnetofluid model with electron skin depth and ion sound Larmor radius scales. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	8
21	Metriplectic torque for rotation control of a rigid body. <i>Cybernetics and Physics</i> , 2018, , 78-86.	0.3	7
22	Structure and computation of two-dimensional incompressible extended MHD. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	10
23	Action principles for relativistic extended magnetohydrodynamics: A unified theory of magnetofluid models. <i>Physics of Plasmas</i> , 2017, 24, 022103.	1.9	18
24	Simulated annealing for three-dimensional low-beta reduced MHD equilibria in cylindrical geometry. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 054001.	2.1	7
25	Structure and structure-preserving algorithms for plasma physics. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	74
26	Beatification: Flattening the Poisson bracket for two-dimensional fluid and plasma theories. <i>Physics of Plasmas</i> , 2017, 24, 032102.	1.9	1
27	Translationally symmetric extended MHD via Hamiltonian reduction: Energy-Casimir equilibria. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	10
28	Rattleback: A model of how geometric singularity induces dynamic chirality. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 2772-2777.	2.1	13
29	Epi-Two-Dimensional Fluid Flow: A New Topological Paradigm for Dimensionality. <i>Physical Review Letters</i> , 2017, 119, 244501.	7.8	12
30	Plasma turbulence in the equatorial electrojet: A two-dimensional Hamiltonian fluid model. <i>Physics of Plasmas</i> , 2017, 24, 072301.	1.9	0
31	GEMPIC: geometric electromagnetic particle-in-cell methods. <i>Journal of Plasma Physics</i> , 2017, 83, .	2.1	95
32	On the structure and statistical theory of turbulence of extended magnetohydrodynamics. <i>New Journal of Physics</i> , 2017, 19, 015007.	2.9	11
33	Hamiltonian magnetohydrodynamics: Lagrangian, Eulerian, and dynamically accessible stability—Examples with translation symmetry. <i>Physics of Plasmas</i> , 2016, 23, 102112.	1.9	13
34	Derivation of the Hall and extended magnetohydrodynamics brackets. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	22
35	Concomitant Hamiltonian and topological structures of extended magnetohydrodynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2400-2406.	2.1	38
36	Hierarchical structure of noncanonical Hamiltonian systems. <i>Physica Scripta</i> , 2016, 91, 024001.	2.5	7

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37	Multiscale equatorial electrojet turbulence: Energy conservation, coupling, and cascades in a baseline 2D fluid model. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9127-9145.	2.4	2
38	Lifting of the Vlasov-Maxwell bracket by Lie-transform method. <i>Journal of Plasma Physics</i> , 2016, 82, .	2.1	10
39	Explicit high-order noncanonical symplectic algorithms for ideal two-fluid systems. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	26
40	A method for Hamiltonian truncation: a four-wave example. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 165501.	2.1	5
41	Weakly nonlinear dynamics in noncanonical Hamiltonian systems with applications to fluids and plasmas. <i>Annals of Physics</i> , 2016, 368, 117-147.	2.8	9
42	A Hamiltonian five-field gyrofluid model. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	14
43	Remarkable connections between extended magnetohydrodynamics models. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	29
44	Theory and applications of the Vlasov equation. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	17
45	Inertial magnetohydrodynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 570-576.	2.1	23
46	Hamiltonian gyrokinetic Vlasov-Maxwell system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2073-2077.	2.1	34
47	Energy-Casimir stability of hybrid Vlasov-MHD models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 185501.	2.1	7
48	Explosive magnetic reconnection caused by an X-shaped current-vortex layer in a collisionless plasma. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	11
49	Hamiltonian closures for fluid models with four moments by dimensional analysis. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 275501.	2.1	18
50	Hybrid Vlasov-MHD models: Hamiltonian vs. non-Hamiltonian. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 095008.	2.1	36
51	Action principles for extended magnetohydrodynamic models. <i>Physics of Plasmas</i> , 2014, 21, 092118.	1.9	33
52	Variational necessary and sufficient stability conditions for inviscid shear flow. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20140322.	2.1	6
53	Hamiltonian formulation of the modified Hasegawa-Mima equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 956-959.	2.1	13
54	Singular Casimir Elements of the Euler Equation and Equilibrium Points. <i>Journal of Mathematical Fluid Mechanics</i> , 2014, 16, 41-57.	1.0	19

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55	Discontinuous Galerkin Methods for the Vlasov–Maxwell Equations. <i>SIAM Journal on Numerical Analysis</i> , 2014, 52, 1017-1049.	2.3	46
56	Experimental determination of radiated internal wave power without pressure field data. <i>Physics of Fluids</i> , 2014, 26, 046606.	4.0	7
57	On energy conservation in extended magnetohydrodynamics. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	46
58	The action principle for generalized fluid motion including gyroviscosity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 3526-3532.	2.1	13
59	Hamiltonian and action formalisms for two-dimensional gyroviscous magnetohydrodynamics. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	24
60	A hierarchy of noncanonical Hamiltonian systems: circulation laws in an extended phase space. <i>Fluid Dynamics Research</i> , 2014, 46, 031412.	1.3	13
61	Higher-order Hamiltonian fluid reduction of Vlasov equation. <i>Annals of Physics</i> , 2014, 348, 50-63.	2.8	18
62	Study of conservation and recurrence of Runge–Kutta discontinuous Galerkin schemes for Vlasov–Poisson systems. <i>Journal of Scientific Computing</i> , 2013, 56, 319-349.	2.3	88
63	Hamiltonian magnetohydrodynamics: Lagrangian, Eulerian, and dynamically accessible stability–Theory. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	29
64	A general theory for gauge-free lifting. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	43
65	Finite-time rotation number: A fast indicator for chaotic dynamical structures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 452-456.	2.1	20
66	Local thermodynamics of a magnetized, anisotropic plasma. <i>Physics of Plasmas</i> , 2013, 20, 022506.	1.9	12
67	Lifting particle coordinate changes of magnetic moment type to Vlasov-Maxwell Hamiltonian dynamics. <i>Physics of Plasmas</i> , 2013, 20, 032109.	1.9	5
68	Deformation of vortex patches by boundaries. <i>Physics of Fluids</i> , 2013, 25, .	4.0	10
69	Stability of compressible reduced magnetohydrodynamic equilibria–Analogy with magnetorotational instability. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	16
70	Gradient Flows in the Normal and Kähler Metrics and Triple Bracket Generated Metriplectic Systems. <i>Springer Proceedings in Mathematics and Statistics</i> , 2013, , 371-415.	0.2	11
71	Response to “Comment on “Undamped electrostatic plasma waves” [Phys. Plasmas 20, 034701 (2013)]”. <i>Physics of Plasmas</i> , 2013, 20, 034702.	1.9	11
72	On the use of projectors for Hamiltonian systems and their relationship with Dirac brackets. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 125203.	2.1	19

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73	Nonlinear variational method for predicting fast collisionless magnetic reconnection. Nuclear Fusion, 2013, 53, 063024.	3.5	10
74	Hamiltonian magnetohydrodynamics: Helically symmetric formulation, Casimir invariants, and equilibrium variational principles. Physics of Plasmas, 2012, 19, .	1.9	38
75	Effective transport barriers in nontwist systems. Physical Review E, 2012, 86, 036206.	2.1	29
76	Undamped electrostatic plasma waves. Physics of Plasmas, 2012, 19, .	1.9	37
77	On the Hamiltonian formulation of incompressible ideal fluids and magnetohydrodynamics via Dirac's theory of constraints. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 737-743.	2.1	23
78	A discontinuous Galerkin method for the Vlasov-Poisson system. Journal of Computational Physics, 2012, 231, 1140-1174.	3.8	130
79	Caldeira-Leggett model, Landau damping, and the Vlasov-Poisson system. Physica D: Nonlinear Phenomena, 2011, 240, 1652-1660.	2.8	9
80	Mode signature and stability for a Hamiltonian model of electron temperature gradient turbulence. Physics of Plasmas, 2011, 18, .	1.9	5
81	Hamiltonian Dirac simulated annealing: Application to the calculation of vortex states. Physica D: Nonlinear Phenomena, 2011, 240, 212-232.	2.8	20
82	Gauge-free Hamiltonian structure of the spin Maxwell-Vlasov equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2362-2365.	2.1	9
83	MHD equilibrium variational principles with symmetry. Plasma Physics and Controlled Fusion, 2010, 52, 055001.	2.1	36
84	Hamiltonian four-field model for magnetic reconnection: nonlinear dynamics and extension to three dimensions with externally applied fields. Nuclear Fusion, 2010, 50, 034007.	3.5	34
85	On Krein-Like Theorems for Noncanonical Hamiltonian Systems with Continuous Spectra: Application to Vlasov-Poisson. Transport Theory and Statistical Physics, 2010, 39, 466-501.	0.4	9
86	Derivation of reduced two-dimensional fluid models via Dirac's theory of constrained Hamiltonian systems. Physics of Plasmas, 2010, 17, 042307.	1.9	11
87	A Hamiltonian electromagnetic gyrofluid model. Physics of Plasmas, 2009, 16, .	1.9	43
88	Hamiltonian derivation of the Charney-Hasegawa-Mima equation. Physics of Plasmas, 2009, 16, .	1.9	21
89	On Hamiltonian and Action Principle Formulations of Plasma Dynamics. , 2009, , .		16
90	The Hamiltonian description of incompressible fluid ellipsoids. Annals of Physics, 2009, 324, 1747-1762.	2.8	20

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91	Thoughts on brackets and dissipation: Old and new. Journal of Physics: Conference Series, 2009, 169, 012006.	0.4	26
92	On the fluctuation spectrum of plasma. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 130-140.	3.3	9
93	Hamiltonian formulation and analysis of a collisionless fluid reconnection model. Plasma Physics and Controlled Fusion, 2008, 50, 085014.	2.1	54
94	Reduction of chaotic particle transport driven by drift waves in sheared flows. Physics of Plasmas, 2008, 15, .	1.9	34
95	A unified approach to the Darwin approximation. Physics of Plasmas, 2007, 14, 102112.	1.9	24
96	On a new fixed point of the renormalization group operator for area-preserving maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 366, 437-441.	2.1	3
97	HAMILTONIAN STRUCTURE OF A COLLISIONLESS RECONNECTION MODEL VALID FOR HIGH AND LOW $\hat{\nu}^2$ PLASMAS. , 2007, , .		3
98	Statistical mechanics of two-dimensional turbulence. Journal of Fluid Mechanics, 2006, 554, 433.	3.4	16
99	Hamiltonian Fluid Dynamics. , 2006, , 593-600.		21
100	Breakup of shearless meanders and $\hat{\nu}$ -tori in the standard nontwist map. Chaos, 2006, 16, 033120.	2.5	25
101	Nonlinear three-mode interaction and drift-wave turbulence in a tokamak edge plasma. Physics of Plasmas, 2006, 13, 042510.	1.9	22
102	Renormalization for breakup of invariant tori. Physica D: Nonlinear Phenomena, 2005, 200, 47-59.	2.8	13
103	A relativistic beam-plasma system with electromagnetic waves. Physics of Plasmas, 2005, 12, 072108.	1.9	13
104	Meanders and reconnection-collision sequences in the standard nontwist map. Chaos, 2005, 15, 023108.	2.5	51
105	Hamiltonian and action principle formulations of plasma physics. Physics of Plasmas, 2005, 12, 058102.	1.9	93
106	Hamiltonian formulation and coherent structures in electrostatic turbulence. Plasma Physics and Controlled Fusion, 2004, 46, 1331-1350.	2.1	22
107	Renormalization and destruction of $1/\hat{\nu}^2$ tori in the standard nontwist map. Chaos, 2003, 13, 421-433.	2.5	30
108	Bounds on dissipation in magnetohydrodynamic problems in plane shear geometry. Physics of Plasmas, 2003, 10, 4314-4323.	1.9	8

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109	Bounds on dissipation in magnetohydrodynamic Couette and Hartmann shear flows. Physics of Plasmas, 2003, 10, 4324-4334.	1.9	13
110	Multiwave model for plasma-wave interaction. Physics of Plasmas, 2003, 10, 4090-4094.	1.9	13
111	Hamiltonian Description of Fluid and Plasma Systems with Continuous Spectra. , 2003, , 53-69.		12
112	Singular Eigenfunctions and an Integral Transform for Shear Flow. Lecture Notes in Physics, 2002, , 238-247.	0.7	1
113	The twisted top. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 283, 335-341.	2.1	10
114	Hamiltonian description of Vlasov dynamics: Action-angle variables for the continuous spectrum. Transport Theory and Statistical Physics, 2000, 29, 397-414.	0.4	33
115	Classification and Casimir invariants of Lie-Poisson brackets. Physica D: Nonlinear Phenomena, 2000, 136, 205-244.	2.8	67
116	Magnetic field lines, Hamiltonian dynamics, and nontwist systems. Physics of Plasmas, 2000, 7, 2279-2289.	1.9	125
117	Spectral Reduction: A Statistical Description of Turbulence. Physical Review Letters, 1999, 83, 5491-5494.	7.8	16
118	Invariants and Labels in Lie-Poisson Systems. Annals of the New York Academy of Sciences, 1998, 867, 109-119.	3.8	8
119	Exactly Conservative Integrators. SIAM Journal on Applied Mathematics, 1998, 59, 1112-1133.	1.8	25
120	Drift wave test particle transport in reversed shear profile. Physics of Plasmas, 1998, 5, 3910-3917.	1.9	60
121	Hamiltonian description of the ideal fluid. Reviews of Modern Physics, 1998, 70, 467-521.	45.6	632
122	Strong echo effect and nonlinear transient growth in shear flows. Physics of Fluids, 1998, 10, 1398-1404.	4.0	19
123	Hamiltonian moment reduction for describing vortices in shear. Physics of Fluids, 1997, 9, 2310-2328.	4.0	44
124	Quantum Mechanics as a Generalization of Nambu Dynamics to the Weyl-Wigner Formalism. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1997, 52, 9-12.	1.5	0
125	Renormalization and transition to chaos in area preserving nontwist maps. Physica D: Nonlinear Phenomena, 1997, 100, 311-329.	2.8	73
126	Elliptical vortices in shear: Hamiltonian moment formulation and Melnikov analysis. Physics of Fluids, 1996, 8, 896-913.	4.0	13



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127	Area preserving nontwist maps: periodic orbits and transition to chaos. <i>Physica D: Nonlinear Phenomena</i> , 1996, 91, 1-23.	2.8	169
128	Fluid element relabeling symmetry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 219, 287-292.	2.1	76
129	Nonlinear instability and chaos in plasma wave-wave interactions. II. Numerical methods and results. <i>Physics of Plasmas</i> , 1995, 2, 4149-4160.	1.9	15
130	Linear stability of stationary solutions of the Vlasov-Poisson system in three dimensions. <i>Archive for Rational Mechanics and Analysis</i> , 1995, 130, 163-182.	2.4	49
131	Nonlinear instability and chaos in plasma wave-wave interactions. I. Introduction. <i>Physics of Plasmas</i> , 1995, 2, 1926-1940.	1.9	31
132		1.9	20
133	Self-consistent chaos in the beam-plasma instability. <i>Physica D: Nonlinear Phenomena</i> , 1994, 71, 1-17.	2.8	88
134	Canonization and Diagonalization of an Infinite Dimensional Noncanonical Hamiltonian System: Linear Vlasov Theory. <i>Acta Physica Polonica A</i> , 1994, 85, 759-769.	0.5	13
135	Chaotic transport by Rossby waves in shear flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993, 5, 948-965.	1.6	227
136	Action principles for the Vlasov equation. <i>Physics of Fluids B</i> , 1992, 4, 771-777.	1.7	59
137	Nonlinear interactions of tearing modes in the presence of shear flow. <i>Physics of Fluids B</i> , 1992, 4, 845-854.	1.7	19
138	Drift wave vortices in nonuniform plasmas with sheared magnetic fields. <i>Physics of Fluids B</i> , 1992, 4, 1238-1246.	1.7	17
139	Exact solutions for a system of nonlinear plasma fluid equations. <i>Physics of Fluids B</i> , 1992, 4, 831-840.	1.7	3
140	Dielectric energy versus plasma energy, and Hamiltonian action-angle variables for the Vlasov equation. <i>Physics of Fluids B</i> , 1992, 4, 3038-3057.	1.7	51
141	Drift wave vortices in inhomogeneous plasmas. <i>Physics of Fluids B</i> , 1991, 3, 921-930.	1.7	33
142	A sufficient condition for the ideal instability of shear flow with parallel magnetic field. <i>Physics of Fluids B</i> , 1991, 3, 863-865.	1.7	27
143	The energy-momentum tensor for the linearized Maxwell-Vlasov and kinetic guiding center theories. <i>Physics of Fluids B</i> , 1991, 3, 271-283.	1.7	29
144	Poisson bracket for the Vlasov equation on a symplectic leaf. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991, 156, 96-100.	2.1	12

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145	Quantum mechanics as a generalization of Nambu dynamics to the Weyl-Wigner formalism. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 158, 453-457.	2.1	39
146	The free energy of Maxwell-Vlasov equilibria. Physics of Fluids B, 1990, 2, 1105-1113.	1.7	61
147	The effect of viscosity on the resistive tearing mode with the presence of shear flow. Physics of Fluids B, 1990, 2, 2575-2580.	1.7	45
148	Localized profiles of optical beams in plasma. AIP Conference Proceedings, 1989, , .	0.4	0
149	Free-energy expressions for Vlasov equilibria. Physical Review A, 1989, 40, 3898-3910.	2.5	61
150	Wave energy flow conservation for propagation in inhomogeneous Vlasov-Maxwell equilibria. Physics of Fluids B, 1989, 1, 55-61.	1.7	8
151	Hamiltonian four-field model for nonlinear tokamak dynamics. Physics of Fluids, 1987, 30, 3204.	1.4	96
152	Variational Principle and Stability of Nonmonotonic Vlasov-Poisson Equilibria. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1987, 42, 1115-1123.	1.5	34
153	A generalized reduced fluid model with finite ion-gyroradius effects. Physics of Fluids, 1986, 29, 1480.	1.4	55
154	Covariant poisson brackets for classical fields. Annals of Physics, 1986, 169, 29-47.	2.8	53
155	A paradigm for joined Hamiltonian and dissipative systems. Physica D: Nonlinear Phenomena, 1986, 18, 410-419.	2.8	166
156	Existence and calculation of sharp boundary magnetohydrodynamic equilibrium in three-dimensional toroidal geometry. Physics of Fluids, 1986, 29, 3281.	1.4	13
157	Spontaneous symmetry breaking and neutral stability in the noncanonical Hamiltonian formalism. Physical Review A, 1986, 33, 4205-4214.	2.5	28
158	Electromagnetic solitary waves in magnetized plasmas. Journal of Plasma Physics, 1985, 34, 103-114.	2.1	23
159	A four-field model for tokamak plasma dynamics. Physics of Fluids, 1985, 28, 2466.	1.4	186
160	Local conservation laws for the Maxwell-Vlasov and collisionless kinetic guiding-center theories. Physical Review A, 1985, 32, 1714-1721.	2.5	42
161	Hamiltonian Formulation of Two-Dimensional Gyroviscous MHD. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1984, 39, 1023-1027.	1.5	12
162	Bracket formulation for irreversible classical fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 100, 423-427.	2.1	171

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163	Hamiltonian formulation of reduced magnetohydrodynamics. <i>Physics of Fluids</i> , 1984, 27, 886.	1.4	121
164	Noncanonical Hamiltonian Density Formulation of Hydrodynamics and Ideal Magnetohydrodynamics.. <i>Physical Review Letters</i> , 1982, 48, 569-569.	7.8	81
165	Poisson brackets for fluids and plasmas. , 1982, , .		121
166	Algebraic structure of the plasma quasilinear equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 88, 405-406.	2.1	20
167	Comments on: The Maxwell-Vlasov equations as a continuous hamiltonian system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 86, 235-236.	2.1	42
168	The Maxwell-Vlasov equations as a continuous hamiltonian system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 80, 383-386.	2.1	264
169	Noncanonical Hamiltonian Density Formulation of Hydrodynamics and Ideal Magnetohydrodynamics. <i>Physical Review Letters</i> , 1980, 45, 790-794.	7.8	374