David W Forslund

List of Publications by Year
in descending order

59 papers	5,556 citations	87888 38 h-index	155660 55 g-index
63 all docs	63 docs citations	63 times ranked	2078 citing authors

#	Article	IF	Citations
1	Modeling emergency department visit patterns for infectious disease complaints: results and application to disease surveillance. BMC Medical Informatics and Decision Making, 2005, 5, 4.	3.0	61
2	Open Source Health Systems. , 2005, , 169-185.		3
3	Setting standards for improved syndromic surveillance. IEEE Engineering in Medicine and Biology Magazine, 2004, 23, 65-70.	0.8	15
4	Results from the fielding of the Bio-surveillance Analysis, Feedback, Evaluation and Response (B-SAFER) system in Albuquerque, New Mexico. AMIA ... Annual Symposium proceedings, 2003, , 842.	0.2	3
5	Building distributed systems (panel). , 1998, , .		0
6	Building distributed systems (panel). ACM SIGPLAN Notices, 1998, 33, 412-416.	0.2	0
7	An international collaboratory based on virtual patient records. Communications of the ACM, 1997, 40, 110-117.	4.5	88
8	OOPS: an object-oriented particle simulation class library for distributed architectures. Computer Physics Communications, 1995, 87, 212-224.	7.5	9
9	High-speed networks, visualization, and massive parallelism in the Advanced Computing Laboratory. Computing Systems in Engineering: an International Journal, 1992, 3, 521-524.	0.5	2
10	Shortâ€pulse, laserâ€“plasma interaction including collisions and ionization. Physics of Fluids B, 1991, 3, 2337-2340.	1.7	17
11	Sheath-plasma waves and anomalous loading in ion-Bernstein-wave experiments. Physical Review Letters, 1991, 66, 1173-1176.	7.8	17
12	The theory of target compression by longwave laser emission. Journal of Nuclear Materials, 1989, 165, 324-325.	2.7	0
13	Evolution of self-focusing of intense electromagnetic waves in plasma. Physical Review Letters, 1988, 60, 1298-1301.	7.8	187
14	The detuning of relativistic Langmuir waves in the beat-wave accelerator. Physics of Fluids, 1987, 30, 904.	1.4	55
15	Collisional effects on the Weibel instability. Physics of Fluids, 1987, 30, 1085.	1.4	39
16	An implicit moment electromagnetic plasma simulation in cylindrical coordinates. Journal of Computational Physics, 1986, 63, 434-457.	3.8	33
17	Nonadiabatic ELectron Heating at High-Mach-Number Perpendicular Shocks. Physical Review Letters, 1986, 56, 1059-1062.	7.8	49
18	Fundamentals of plasma simulation. Space Science Reviews, 1985, 42, 3-16.	8.1	26

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19	Studies of the Plasma Droplet Accelerator Scheme. IEEE Transactions on Nuclear Science, 1985, 32, 3503-3505.	2.0	1
20	Fundamentals of Plasma Simulation. , 1985, , 3-16.		3
21	Nonlinear evolution of the lower-hybrid drift instability. Physics of Fluids, 1984, 27, 2682.	1.4	111
22	Electromagnetic ion beam instabilities. Physics of Fluids, 1984, 27, 1852.	1.4	231
23	Collisionless dissipation processes in quasiâ€parallel shocks. Geophysical Research Letters, 1983, 10, 471-474.	4.0	62
24	Acceleration of multi-species ions in CO2 laser-produced plasmas: Experiments and theory. Physics of Fluids, 1982, 25, 1675.	1.4	31
25	Plasma Mechanism for Ultraviolet Harmonic Radiation Due to Intense CO2Light. Physical Review Letters, 1982, 49, 202-205.	7.8	92
26	Magnetic-Field-Induced Surface Transport on Laser-Irradiated Foils. Physical Review Letters, 1982, 48, 1614-1617.	7.8	164
27	An implicit method for electromagnetic plasma simulation in two dimensions. Journal of Computational Physics, 1982, 46, 271-308.	3.8	204
28	Visible Harmonic Emission as a Way of Measuring Profile Steepening. Physical Review Letters, 1981, 46, 29-32.	7.8	147
29	Randomness, Maxwellian Distributions, and Resonance Absorption. Physical Review Letters, 1980, 44, 651-654.	7.8	43
30	Vacuum insulation as a way to stop hot electrons. Nuclear Fusion, 1979, 19, 1447-1456.	3.5	12
31	Current driven electromagnetic ion cyclotron instability. Journal of Plasma Physics, 1979, 21, 127-139.	2.1	55
32	Existence of rarefaction shocks in a laser-plasma corona. Physics of Fluids, 1978, 21, 2179.	1.4	185
33	Magnetic field generation by resonance absorption of light. Physical Review A, 1977, 16, 1678-1686.	2.5	44
34	Theoretical derivation of laser induced plasma profiles. Physics of Fluids, 1977, 20, 51.	1.4	144
35	Theory of Hot-Electron Spectra at High Laser Intensity. Physical Review Letters, 1977, 39, 284-288.	7.8	308
36	Electromagnetic current instabilities. Physics of Fluids, 1976, 19, 579.	1.4	36

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37	Proton temperature anisotropy instabilities in the solar wind. Journal of Geophysical Research, 1976, 81, 1241-1246.	3.3	156
38	Electromagnetic instabilities driven by unequal proton beams in the solar wind. Journal of Geophysical Research, 1976, 81, 2743-2749.	3.3	87
39	Absorption of Laser Light on Self-Consistent Plasma Density Profiles. Physical Review Letters, 1976, 36, 35-38.	7.8	86
40	Plasma simulation studies of stimulated scattering processes in laser-irradiated plasmas. Physics of Fluids, 1975, 18, 1017.	1.4	121
41	Electromagnetic current instabilities. Physics Letters, Section A: General, Atomic and Solid State Physics, 1975, 54, 347-348.	2.1	8
42	Theory of stimulated scattering processes in laser-irradiated plasmas. Physics of Fluids, 1975, 18, 1002.	1.4	573
43	Electromagnetic Ion-Beam Instabilities in the Solar Wind. Physical Review Letters, 1975, 35, 667-670.	7.8	64
44	Two-Dimensional Stability of an Electromagnetic Wave Obliquely Incident on a Nonuniform Plasma. Physical Review Letters, 1975, 34, 193-197.	7.8	28
45	Electron heat flux instabilities in the solar wind. Geophysical Research Letters, 1975, 2, 79-82.	4.0	78
46	Heat flux instabilities in the solar wind. Journal of Geophysical Research, 1975, 80, 4197-4203.	3.3	134
47	Theory and simulation of resonant absorption in a hot plasma. Physical Review A, 1975, 11, 679-683.	2.5	323
48	Parametric Instabilities in Finite Inhomogeneous Media. Physical Review Letters, 1974, 33, 1013-1016.	7.8	70
49	Nonlinear Behavior of Stimulated Brillouin and Raman Scattering in Laser-Irradiated Plasmas. Physical Review Letters, 1973, 30, 739-743.	7.8	179
50	On Anomalous Resistance due to Cross-Field Electron-Ion Streaming Instabilities. Physics of Fluids, 1972, 15, 2363.	1.4	9
51	Electron Cyclotron Drift Instability and Turbulence. Physics of Fluids, 1972, 15, 1303.	1.4	53
52	Parametric Excitation of Electromagnetic Waves. Physical Review Letters, 1972, 29, 249-252.	7.8	157
53	Theory of Laminar Collisionless Shocks. Physical Review Letters, 1971, 27, 1189-1192.	7.8	153
54	Nonlinear Electron-Cyclotron Drift Instability and Turbulence. Physical Review Letters, 1971, 27, 1424-1428.	7.8	42

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55	Numerical Simulation of Electrostatic Counterstreaming Instabilities in Ion Beams. Physical Review Letters, 1970, 25, 281-284.	7.8	105
56	Electron Cyclotron Drift Instability. Physical Review Letters, 1970, 25, 1266-1270.	7.8	144
57	Instabilities associated with heat conduction in the solar wind and their consequences. Journal of Geophysical Research, 1970, 75, 17-28.	3.3	255
58	Formation and Structure of Electrostatic Collisionless Shocks. Physical Review Letters, 1970, 25, 1699-1702.	7.8	206
59	The Impact of the Global, Extensible Electronic Health Record. , 0, , 3-13.		2