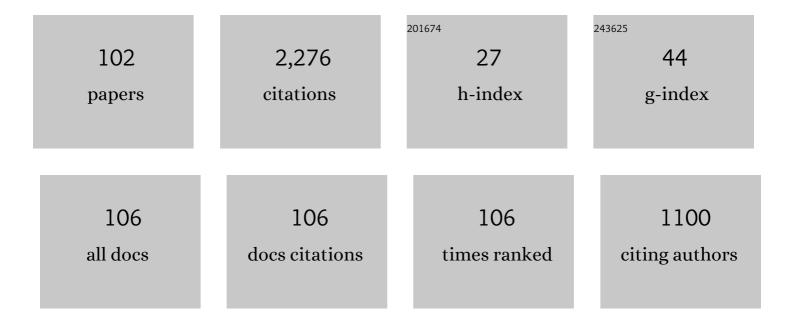
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Multichannel grazing-incidence spectrometer for plasma impurity diagnosis: SPRED. Applied Optics, 1982, 21, 2115.	2.1	187
2	Plasma fluctuation measurements in tokamaks using beamâ€plasma interactions. Review of Scientific Instruments, 1990, 61, 3487-3495.	1.3	157
3	Fusion plasma experiments on TFTR: A 20 year retrospective. Physics of Plasmas, 1998, 5, 1577-1589.	1.9	91
4	Review of deuterium–tritium results from the Tokamak Fusion Test Reactor. Physics of Plasmas, 1995, 2, 2176-2188.	1.9	89
5	Plasma ion temperature measurements via charge exchange recombination radiation. Applied Physics Letters, 1983, 42, 239-241.	3.3	87
6	Density fluctuation measurements via beam emission spectroscopy (invited). Review of Scientific Instruments, 1992, 63, 4907-4912.	1.3	80
7	Convergence, electrostatic potential, and density measurements in a spherically convergent ion focus. Physics of Plasmas, 1997, 4, 4-15.	1.9	78
8	Turbulence imaging and applications using beam emission spectroscopy on DIII-D (invited). Review of Scientific Instruments, 2003, 74, 2014-2019.	1.3	76
9	Control of plasma shape and performance of the PBXâ€M tokamak experiment in highâ€Î²t /highâ€Î²p regimes. Physics of Fluids B, 1990, 2, 1271-1279.	1.7	65
10	Isotopic scaling of confinement in deuterium–tritium plasmas. Physics of Plasmas, 1995, 2, 2299-2307.	1.9	57
11	Technique for the experimental estimation of nonlinear energy transfer in fully developed turbulence. Physics of Plasmas, 1996, 3, 3998-4009.	1.9	57
12	Measurements of Nonlinear Energy Transfer in Turbulence in the Tokamak Fusion Test Reactor. Physical Review Letters, 1997, 79, 841-844.	7.8	48
13	Correlations of heat and momentum transport in the TFTR tokamak. Physics of Fluids B, 1990, 2, 1300-1305.	1.7	47
14	Corrections to charge exchange spectroscopic measurements in TFTR due to energyâ€dependent excitation rates. Review of Scientific Instruments, 1988, 59, 1521-1523.	1.3	44
15	Fast flow phenomena in a toroidal plasma. Physics of Plasmas, 1995, 2, 2281-2285.	1.9	44
16	Wavelet-based time-delay estimation for time-resolved turbulent flow analysis. Review of Scientific Instruments, 2001, 72, 996-999.	1.3	43
17	A fast spectroscopic diagnostic for the measurement of plasma impurity ion dynamics. Review of Scientific Instruments, 1994, 65, 3238-3242.	1.3	42
18	Investigation of global Alfvén instabilities in the Tokamak Fusion Test Reactor. Physics of Fluids B, 1992. 4. 2122-2126.	1.7	37

#	Article	IF	CITATIONS
19	Highâ€beta operation and magnetohydrodynamic activity on the TFTR tokamak. Physics of Fluids B, 1990, 2, 1287-1290.	1.7	35
20	The upgraded Pegasus Toroidal Experiment. Nuclear Fusion, 2006, 46, S603-S612.	3.5	34
21	Tokamak Startup Using Point-Source dc Helicity Injection. Physical Review Letters, 2009, 102, 225003.	7.8	34
22	Investigation of the time-delay estimation method for turbulent velocity inference. Review of Scientific Instruments, 2004, 75, 4278-4280.	1.3	33
23	Lowâ€noise photodiode detector for optical fluctuation diagnostics. Review of Scientific Instruments, 1992, 63, 4924-4926.	1.3	32
24	Measurements of the radial structure and poloidal spectra of toroidal Alfvén eigenmodes in the Tokamak Fusion Test Reactor. Physics of Fluids B, 1992, 4, 3707-3712.	1.7	32
25	SPRED spectrograph upgrade: Highâ€resolution grating and improved absolute calibrations. Review of Scientific Instruments, 1986, 57, 2043-2045.	1.3	31
26	Measurements of longâ€wavelength density fluctuations in TFTR. Physics of Fluids B, 1992, 4, 2922-2928.	1.7	31
27	Neutral beam emission spectroscopy diagnostic for measurement of density fluctuations on the TFTR tokamak. Review of Scientific Instruments, 1990, 61, 3496-3500.	1.3	30
28	Effects of edge plasma turbulence on radial correlation length measurements with BES. Review of Scientific Instruments, 1992, 63, 4931-4933.	1.3	27
29	Deuterium–tritium plasmas in novel regimes in the Tokamak Fusion Test Reactor. Physics of Plasmas, 1997, 4, 1714-1724.	1.9	27
30	Tokamak startup using outboard current injection on the Pegasus Toroidal Experiment. Nuclear Fusion, 2011, 51, 073029.	3.5	27
31	Softâ€xâ€ray camera for internal shape and currentâ€density measurements on a noncircular tokamak. Review of Scientific Instruments, 1988, 59, 1831-1833.	1.3	22
32	Intense diagnostic neutral beam development for ITER. Review of Scientific Instruments, 1992, 63, 4934-4936.	1.3	22
33	Charge exchange recombination spectroscopy measurements of ion temperature and plasma rotation in PBX. Review of Scientific Instruments, 1985, 56, 865-867.	1.3	19
34	Non-inductive Production of ST Plasmas with Washer Gun Sources on the Pegasus Toroidal Experiment. Journal of Fusion Energy, 2007, 26, 43-46.	1.2	19
35	Scientific Instruments, 1995, 66, 1252-1255.	1.3	18
36	Performance and stability of near-unity aspect ratio plasmas in the Pegasus Toroidal Experiment. Physics of Plasmas, 2003, 10, 1705-1711.	1.9	18

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37	Effect of magnetic perturbations on turbulence-flow dynamics at the L-H transition on DIII-D. Physics of Plasmas, 2020, 27, 062507.	1.9	18
38	Characterization and parametric dependencies of low wavenumber pedestal turbulence in the National Spherical Torus Experiment. Physics of Plasmas, 2013, 20, .	1.9	17
39	Optical diagnostic to measure ion temperature and parallel velocity fluctuations on the Tokamak Fusion Test Reactor. Review of Scientific Instruments, 1995, 66, 845-847.	1.3	16
40	Optical fluctuation measurements of turbulence using a diagnostic beam on Phaedrusâ€T. Review of Scientific Instruments, 1992, 63, 4928-4930.	1.3	15
41	Hyperfine spectrum of RbCl. Journal of Chemical Physics, 2006, 124, 244305.	3.0	15
42	A Hall sensor array for internal current profile constraint. Review of Scientific Instruments, 2010, 81, 10E105.	1.3	14
43	H-mode plasmas at very low aspect ratio on the Pegasus Toroidal Experiment. Nuclear Fusion, 2017, 57, 022018.	3.5	14
44	Advancing local helicity injection for non-solenoidal tokamak startup. Nuclear Fusion, 2019, 59, 076003.	3.5	14
45	Nuclear electric quadrupole moments of Rb from the hyperfine spectrum of RbF. Journal of Chemical Physics, 2006, 124, 244304.	3.0	13
46	Utilization of charge exchange recombination spectroscopy for the study of metallic ion transport in TFTR. Review of Scientific Instruments, 1988, 59, 1518-1520.	1.3	12
47	Tomographic imaging of MHD activity in tokamaks by combining diode arrays and a tangentially viewing pinhole camera. Review of Scientific Instruments, 1988, 59, 1819-1821.	1.3	12
48	An anomaly in the isotopomer shift of the hyperfine spectrum of Lil. Journal of Chemical Physics, 2005, 123, 134321.	3.0	12
49	Measurement of Peeling Mode Edge Current Profile Dynamics. Physical Review Letters, 2011, 107, 035003.	7.8	12
50	Beam emission spectroscopy diagnostic for the study of turbulence in Phaedrusâ€T tokamak plasmas. Review of Scientific Instruments, 1990, 61, 3046-3048.	1.3	11
51	The Formation of a Tokamak-like Plasma in Initial Experiments Using an Outboard Plasma Gun Current Source. Journal of Fusion Energy, 2009, 28, 140-143.	1.2	11
52	Point-Source Helicity Injection Current Drive System for the Pegasus Toroidal Experiment. Journal of Fusion Energy, 2009, 28, 203-207.	1.2	11
53	A Thomson scattering diagnostic on the Pegasus Toroidal experiment. Review of Scientific Instruments, 2012, 83, 10E335.	1.3	11
54	Characterization of peeling modes in a low aspect ratio tokamak. Nuclear Fusion, 2014, 54, 114008.	3.5	10

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55	A novel, cost-effective, multi-point Thomson scattering system on the Pegasus Toroidal Experiment (invited). Review of Scientific Instruments, 2016, 87, 11E403.	1.3	10
56	High Confinement Mode and Edge Localized Mode Characteristics in a Near-Unity Aspect Ratio Tokamak. Physical Review Letters, 2016, 116, 175001.	7.8	10
57	On virial analysis at low aspect ratio. Physics of Plasmas, 2016, 23, .	1.9	10
58	Implementation of the α HERS diagnostic for D–T operation of TFTR. Review of Scientific Instruments, 1995, 66, 643-645.	1.3	9
59	Analysis methods for fast impurity ion dynamics data. Review of Scientific Instruments, 1995, 66, 444-446.	1.3	9
60	Non-inductively driven tokamak plasmas at near-unity βt in the Pegasus toroidal experiment. Physics of Plasmas, 2018, 25, 056101.	1.9	9
61	Plasma fluctuation measurements in tokamaks using beamâ€plasma interactions (abstract). Review of Scientific Instruments, 1990, 61, 3070-3070.	1.3	8
62	Using a freeâ€standing thermistor array to measure VUV emission from a tokamak plasma. Review of Scientific Instruments, 1993, 64, 2423-2427.	1.3	8
63	A compact multichannel spectrometer for Thomson scattering. Review of Scientific Instruments, 2012, 83, 10E330.	1.3	8
64	Progress on Thomson scattering in the Pegasus Toroidal Experiment. Journal of Instrumentation, 2013, 8, C11019-C11019.	1.2	8
65	Impedance of an intense plasma-cathode electron source for tokamak startup. Physics of Plasmas, 2016, 23, 052515.	1.9	8
66	Extracting the turbulent flow-field from beam emission spectroscopy images using velocimetry. Review of Scientific Instruments, 2018, 89, 10E107.	1.3	8
67	Remote operation of the TFTR BES experiment from an offâ€site location. Review of Scientific Instruments, 1992, 63, 4803-4805.	1.3	7
68	Alphaâ€CHERS: A spectroscopic experiment to detect nonthermal alpha particles on TFTR. Review of Scientific Instruments, 1992, 63, 5179-5181.	1.3	7
69	Spectrometer system and detector tests for the TFTR alpha HERS experiment. Review of Scientific Instruments, 1992, 63, 5182-5184.	1.3	7
70	Preparations for deuterium–tritium experiments on the Tokamak Fusion Test Reactor*. Physics of Plasmas, 1994, 1, 1560-1567.	1.9	7
71	A Lyman-alpha-based (VUV) plasma density fluctuation diagnostic design. Review of Scientific Instruments, 2001, 72, 992-995.	1.3	7
72	Full-wave modeling of the O–X mode conversion in the Pegasustoroidal experiment. Physics of Plasmas, 2011, 18, 082501.	1.9	7

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73	Multi-point, high-speed passive ion velocity distribution diagnostic on the Pegasus Toroidal Experiment. Review of Scientific Instruments, 2012, 83, 10D516.	1.3	7
74	Beam emission imaging system for 2D plasma turbulence measurements. Review of Scientific Instruments, 1995, 66, 639-641.	1.3	6
75	Noninductively Driven Tokamak Plasmas at Near-Unity Toroidal Beta. Physical Review Letters, 2017, 119, 035001.	7.8	6
76	Continuous, edge localized ion heating during non-solenoidal plasma startup and sustainment in a low aspect ratio tokamak. Nuclear Fusion, 2017, 57, 076010.	3.5	6
77	Initial Experiments at High Normalized Current in the Pegasus Toroidal Experiment. Journal of Fusion Energy, 2007, 26, 221-225.	1.2	4
78	Optimization and application of cooled avalanche photodiodes for spectroscopic fluctuation measurements with ultra-fast charge exchange recombination spectroscopy. Review of Scientific Instruments, 2016, 87, 11E551.	1.3	4
79	Spatial heterodyne spectroscopy for high speed measurements of Stark split neutral beam emission in a high temperature plasma. Review of Scientific Instruments, 2018, 89, 10D114.	1.3	4
80	Neutral beam emission spectroscopy diagnostic for measurement of density fluctuations on the TFTR tokamak (abstract). Review of Scientific Instruments, 1990, 61, 3073-3073.	1.3	3
81	Attainment of High Normalized Current by Current Profile Manipulation in the Pegasus Toroidal Experiment. Journal of Fusion Energy, 2008, 27, 20-24.	1.2	3
82	Dependence of the low to high confinement mode transition power threshold and turbulence flow shear on injected torque. Physics of Plasmas, 2009, 16, .	1.9	3
83	Initiation and sustainment of tokamak plasmas with local helicity injection as the majority current drive. Nuclear Fusion, 2018, 58, 096002.	3.5	3
84	Digital Control and Power Systems for the Pegasus-III Experiment. IEEE Transactions on Plasma Science, 2022, 50, 4021-4026.	1.3	3
85	A Coaxial Helicity Injection System for Nonsolenoidal Startup Studies on the PEGASUS-III Experiment. IEEE Transactions on Plasma Science, 2022, 50, 4015-4020.	1.3	3
86	Control and automation of the Pegasus multi-point Thomson scattering system. Review of Scientific Instruments, 2016, 87, 11E523.	1.3	2
87	A power-balance model for local helicity injection startup in a spherical tokamak. Nuclear Fusion, 2018, 58, 076011.	3.5	2
88	Radially scanning magnetic probes to study local helicity injection dynamics. Review of Scientific Instruments, 2018, 89, 10J103.	1.3	2
89	The New PEGASUS-III Experiment. IEEE Transactions on Plasma Science, 2022, 50, 4009-4014.	1.3	2
90	lron concentration measurements on TFTR using charge exchange excited lines of heliumâ€like iron in the 200–700 à region. Review of Scientific Instruments, 1990, 61, 3113-3115.	1.3	1

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91	Mechanized selection of fiber optic arrays for spectroscopy measurements. Review of Scientific Instruments, 1992, 63, 4921-4923.	1.3	1
92	of Scientific Instruments, 1995, 66, 919-919.	1.3	1
93	Linewidth-modulated motional Stark effect measurements of internal field structure in low-field configurations. Review of Scientific Instruments, 2001, 72, 1000-1003.	1.3	1
94	Full-wave modeling of the O-X mode conversion in the Pegasus Toroidal Experiment. , 2011, , .		1
95	lon temperature and rotation fluctuation measurements with ultra-fast charge exchange recombination spectroscopy (UF-CHERS) in the DIII-D tokamak. Review of Scientific Instruments, 2021, 92, 053513.	1.3	1
96	Initial characterization of electron temperature and density profiles in PEGASUS spherical tokamak discharges driven solely by local helicity injection. Physics of Plasmas, 2021, 28, 102504.	1.9	1
97	Operation of a multichannel tangential bolometer on PBX. Review of Scientific Instruments, 1986, 57, 2099-2099.	1.3	0
98	Line shapes in charge exchange recombination spectroscopy. AIP Conference Proceedings, 1990, , .	0.4	0
99	Atomic processes and spectroscopic techniques applied to fusion plasma diagnostics. AlP Conference Proceedings, 1990, , .	0.4	0
100	Deuterium-tritium experiments on TFTR. AIP Conference Proceedings, 1995, , .	0.4	0
101	Implications for ITER CODAC from DIII-D experience. Fusion Engineering and Design, 2010, 85, 433-437.	1.9	0
102	Magnetic Turbulence and Current Drive during Local Helicity Injection. Physical Review Letters, 2022, 128, 105001.	7.8	0