

# Steven Gold

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6040748/publications.pdf>

Version: 2024-02-01

32  
papers

382  
citations

840776

11  
h-index

794594

19  
g-index

32  
all docs

32  
docs citations

32  
times ranked

244  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Multipactor in an Alumina-Based Dielectric-Loaded Accelerating Structure. Physical Review Letters, 2004, 92, 164801.	7.8	95
2	High peak power Ka-band gyrotron oscillator experiment. Physics of Fluids, 1987, 30, 2226.	1.4	37
3	Complete multipactor suppression in an X-band dielectric-loaded accelerating structure. Applied Physics Letters, 2016, 108, .	3.3	26
4	High-Voltage Ka-Band Gyrotron Experiment. IEEE Transactions on Plasma Science, 1985, 13, 374-382.	1.3	25
5	Observation of multipactor suppression in a dielectric-loaded accelerating structure using an applied axial magnetic field. Applied Physics Letters, 2013, 103, .	3.3	24
6	High average current electron guns for high-power free electron lasers. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	23
7	High-voltage millimeter-wave gyrotraveling-wave amplifier. Journal of Applied Physics, 1991, 69, 6696-6698.	2.5	21
8	High power active $X$ -band pulse compressor using plasma switches. Physical Review Special Topics: Accelerators and Beams, 2009, 12, .	1.8	19
9	Active Microwave Pulse Compressor Using an Electron-Beam Triggered Switch. Physical Review Letters, 2013, 110, 115002.	7.8	19
10	Megavolt, multikiloamp Ka band gyrotron oscillator experiment. Physics of Fluids B, 1990, 2, 193-198.	1.7	15
11	Nonlinear analysis of a magnicon output cavity. Physics of Fluids B, 1993, 5, 3045-3055.	1.7	12
12	Two-channel 100-MW microwave compressor for the three-centimeter wavelength range. Radiophysics and Quantum Electronics, 2008, 51, 597-609.	0.5	10
13	Development of a high average current rf linac thermionic injector. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	9
14	Active Bragg Compressor of 3-cm Wavelength Microwave Pulses. Radiophysics and Quantum Electronics, 2008, 51, 539-555.	0.5	8
15	Highly efficient, megawatt-class, radio frequency source for mobile ionospheric heaters. Journal of Electromagnetic Waves and Applications, 2017, 31, 1786-1801.	1.6	8
16	Optimization studies of magnicon efficiency. Physics of Plasmas, 1995, 2, 902-914.	1.9	6
17	High-Power Tests of a Two-Channel X-Band Active RF Pulse Compressor Using Plasma Switches. AIP Conference Proceedings, 2003, .	0.4	6
18	Design of a high voltage multi-cavity 35GHz phase-locked gyrotron oscillator. International Journal of Electronics, 1989, 67, 111-130.	1.4	3

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Journal of Materials Synthesis and Processing, 2001, 9, 287-297.	0.3	3
20	Study of Active Microwave Compressors Excited by Magnicon Radiation at a Frequency of 11.4 GHz. Radiophysics and Quantum Electronics, 2003, 46, 802-809.	0.5	3
21	High-Power Millimeter- and Centimeter-Wave Magnicons for Particle Accelerator Application. AIP Conference Proceedings, 2006, , .	0.4	3
22	Development of Dielectric-Based High Gradient Accelerating Structures. AIP Conference Proceedings, 2006, , .	0.4	2
23	Development of X-Band Dielectric-Loaded Accelerating Structures. AIP Conference Proceedings, 2010, , .	0.4	2
24	Reply to comments of Bekefi and Fajans. Physics of Fluids, 1985, 28, 3179.	1.4	1
25	Development of a dielectric-loaded test accelerator. , 2007, , .		1
26	Update on the Development of Externally Powered Dielectric-Loaded Accelerating Structures. , 2009, , .		1
27	The NRL100 GHz carm oscillator experiment. , 1987, , .		0
28	Measurement of plasma-neutralized super-vacuum currents in a gyrotron configuration. Applied Physics Letters, 1990, 57, 437-439.	3.3	0
29	Development of a Compact Dielectric-Loaded Test Accelerator at 11.4 GHz. , 2009, , .		0
30	S-band microwave processing system for melting titanium powder compacts. , 2010, , .		0
31	Ultra-short pulse laser-generated plasma flares in air and on dielectric surfaces. , 2010, , .		0
32	Experimental studies on radio frequency sources for ionospheric heaters. Physics of Plasmas, 2018, 25, .	1.9	0