E R Kieft

List of Publications by Year
in descending order

29	555	567281 15	642732 23
papers	citations	h-index	g-index

29	29	29	484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploring Functional Materials by Understanding Beamâ€Sample Interactions. Advanced Functional Materials, 2022, 32, .	14.9	7
2	Ultrafast SEM. Microscopy and Microanalysis, 2019, 25, 268-269.	0.4	0
3	Resonant RF Cavity Based Beam Chopping for Precise Control over Electron Arrival Time Distribution. Microscopy and Microanalysis, 2019, 25, 1666-1667.	0.4	0
4	Design and characterization of dielectric filled TM110 microwave cavities for ultrafast electron microscopy. Review of Scientific Instruments, 2019, 90, 083703.	1.3	17
5	Towards Atomic Resolution Electron Microscopy with Structured Temporal Electron Illumination of Picosecond Time Resolution. Microscopy and Microanalysis, 2019, 25, 1652-1653.	0.4	0
6	Discovering Hidden Material Properties of MgCl₂ at Atomic Resolution with Structured Temporal Electron Illumination of Picosecond Time Resolution. Advanced Functional Materials, 2019, 29, 1807818.	14.9	38
7	Pulse length, energy spread, and temporal evolution of electron pulses generated with an ultrafast beam blanker. Structural Dynamics, 2019, 6, 024102.	2.3	9
8	Complementary cathodoluminescence lifetime imaging configurations in a scanning electron microscope. Ultramicroscopy, 2019, 197, 28-38.	1.9	39
9	High quality ultrafast transmission electron microscopy using resonant microwave cavities. Ultramicroscopy, 2018, 188, 85-89.	1.9	50
10	Theory and particle tracking simulations of a resonant radiofrequency deflection cavity in TM 110 mode for ultrafast electron microscopy. Ultramicroscopy, 2018, 184, 77-89.	1.9	16
11	Time-of-flight electron energy loss spectroscopy by longitudinal phase space manipulation with microwave cavities. Structural Dynamics, 2018, 5, 051101.	2.3	7
12	Dual mode microwave deflection cavities for ultrafast electron microscopy. Applied Physics Letters, 2018, 113, .	3.3	21
13	Time-of-flight electron energy loss spectroscopy using TM110 deflection cavities. Structural Dynamics, 2016, 3, 054303.	2.3	15
14	Communication: Effects of thermionic-gun parameters on operating modes in ultrafast electron microscopy. Structural Dynamics, 2015, 2, 051101.	2.3	33
15	Refinement of Monte Carlo simulations of electronâ€“specimen interaction in low-voltage SEM. Journal Physics D: Applied Physics, 2008, 41, 215310.	2.8	80
16	Characterization of highly transient EUV emitting discharges. Journal of Physics: Conference Series, 2006, 44, 90-95.	0.4	1
17	Optoelectronic properties of expanding thermal plasma deposited textured zinc oxide: Effect of aluminum doping. Journal of Electronic Materials, 2006, 35, 711-716.	2.2	7
18	Thomson scattering on high pressure Hg discharge lamps. Journal Physics D: Applied Physics, 2005, 38, 1923-1935.	2.8	6

#	Article	IF	Citations
19	Time resolved Thomson scattering measurements on a high pressure mercury lamp. Journal Physics D: Applied Physics, 2005, 38, 2778-2789.	2.8	4
20	Subnanosecond Thomson scattering on a vacuum arc discharge in tin vapor. Physical Review E, 2005, 72, 026415.	2.1	22
21	Subnanosecond Thomson scattering setup for space and time resolved measurements with reduced background signal. Review of Scientific Instruments, 2005, 76, 093503.	1.3	20
22	Radicals of Plasma Needle Detected with Fluorescent Probe. , 2005, , 293-308.		7
23	Characterization of a vacuum-arc discharge in tin vapor using time-resolved plasma imaging and extreme ultraviolet spectrometry. Physical Review E, 2005, 71, 026409.	2.1	23
24	Comparison of experimental and simulated extreme ultraviolet spectra of xenon and tin discharges. Physical Review E, 2005, 71, 036402.	2.1	27
25	Thomson scattering measurements on an atmospheric Ar dc discharge lamp. Journal Physics D: Applied Physics, 2004, 37, 736-743.	2.8	13
26	Collective Thomson scattering experiments on a tin vapor discharge in the prepinch phase. Physical Review E, 2004, 70, 056413.	2.1	33
27	Stark broadening experiments on a vacuum arc discharge in tin vapor. Physical Review E, 2004, 70, 066402.	2.1	22
28	Time-resolved pinhole camera imaging and extreme ultraviolet spectrometry on a hollow cathode discharge in xenon. Physical Review E, 2003, 68, 056403.	2.1	37
29	Textured Zinc Oxide by Expanding Thermal Plasma CVD: the Effect of Aluminum Doping. Materials Research Society Symposia Proceedings, 2002, 730, 1.	0.1	1