

Eli Flaxer

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

648
citations

1163117

8
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Supersensitive Detection of Explosives by Silicon Nanowire Arrays. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6830-6835.	13.8	254
2	Supersensitive fingerprinting of explosives by chemically modified nanosensors arrays. <i>Nature Communications</i> , 2014, 5, 4195.	12.8	169
3	Laser wavelength effects on the charge state resolved ion energy distributions from laser-produced Sn plasma. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	51
4	Non-covalent Monolayer-Piercing Anchoring of Lipophilic Nucleic Acids: Preparation, Characterization, and Sensing Applications. <i>Journal of the American Chemical Society</i> , 2012, 134, 280-292.	13.7	47
5	Molecular Light Emission Induced by Inelastic Electron Tunneling. <i>Science</i> , 1993, 262, 2012-2014.	12.6	34
6	Programmable smart electron emission controller for hot filament. <i>Review of Scientific Instruments</i> , 2011, 82, 025111.	1.3	15
7	Compact programmable controller for a linear piezo-stepper motor. <i>Mechatronics</i> , 2006, 16, 303-308.	3.3	9
8	A low-cost, ultra-fast and low-noise preamplifier for micro channel plates. <i>Measurement Science and Technology</i> , 2006, 17, N37-N40.	2.6	8
9	Detection of Microcalcification in Tissue by Raman Spectroscopy. <i>Cardiovascular Engineering and Technology</i> , 2011, 2, 228-233.	1.6	6
10	Implementing of a precision fast thermoelectric cooler controller using a personal computer parallel port connection and ADN8830 controller. <i>Review of Scientific Instruments</i> , 2003, 74, 3862-3873.	1.3	5
11	A compact general-purpose fast high-power pulser for inductive load. <i>Review of Scientific Instruments</i> , 2002, 73, 2197-2199.	1.3	4
12	Multichannels high voltage programmable driver for piezoelectric transducer. <i>Review of Scientific Instruments</i> , 2008, 79, 035104.	1.3	4
13	Fast mass programming controller for a supersonic gas chromatography mass spectrometer. <i>Measurement Science and Technology</i> , 2011, 22, 125104.	2.6	3
14	Low-Power Laser Ignition of an Antenna-Type Secondary Energetic Copper Complex: Synthesis, Characterization, Evaluation, and Ignition Mechanism Studies. <i>Inorganic Chemistry</i> , 2021, 60, 10909-10922.	4.0	3
15	Programmable smart fast gas chromatograph and open probe controller. <i>Journal of Chromatography A</i> , 2021, 1657, 462576.	3.7	3
16	Enhanced spatial resolution of terahertz spectroscopy via semiconductor photoexcitation. <i>OSA Continuum</i> , 2020, 3, 3365.	1.8	3
17	An Alternative Approach in Mechatronics Curricular Development at AFEKA "Tel-Aviv Academic College of Engineering and at Tel-Aviv University. <i>International Journal of Mechanical Engineering Education</i> , 2008, 36, 266-282.	1.0	2
18	Analysing the Hierarchical Organization of Text by Using Biologically-Inspired Statistical Methods. <i>Journal of Quantitative Linguistics</i> , 2008, 15, 318-339.	1.2	2

#	ARTICLE	IF	CITATIONS
19	Note: High resolution ultra fast high-power pulse generator for inductive load using digital signal processor. Review of Scientific Instruments, 2014, 85, 086108.	1.3	2
20	Bias-controlled mechanism for a scanning tunnelling microscope. Measurement Science and Technology, 2006, 17, N45-N47.	2.6	1
21	Automatic bias-reduction controller for a scanning tunneling microscope. Ultramicroscopy, 2008, 108, 1536-1539.	1.9	1
22	Cover Picture: Supersensitive Detection of Explosives by Silicon Nanowire Arrays (Angew. Chem. Int.) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	18.8	1
23	Differential chopping controller with high-resolution and accuracy using digital signal processor. Review of Scientific Instruments, 2019, 90, 076106.	1.3	1
24	Contrast and resolution enhancement of a near-field optical microscope by using a modulation technique. Ultramicroscopy, 2005, 102, 141-149.	1.9	0
25	Photodarkening of amorphous Se and Se ₉₅ Te ₅ films under 1/4s light pulses. Optics Communications, 2010, 283, 1366-1369.	2.1	0
26	Fast mass programming and PWM controllers for super sonic GC-MS using DSP. , 2012, , .		0
27	Smart filament emission controller for supersonic gas chromatography-mass spectrometry using real time digital signal processor. , 2012, , .		0
28	Real time controller for dielectric barrier discharge using DSP. , 2012, , .		0
29	Comprehensive controller for super sonic molecular beam GC-MS. , 2012, , .		0
30	DETERMINATION OF HYDROXYPYRENE TRISULFONATE BY TWO WAVELENGTH EXCITATION FLUORESCENCE USING A ONE MICROLITER CAPILLARY. Instrumentation Science and Technology, 2014, 42, 627-634.	1.8	0