

Margarita Tecpoyotl Torres

List of Publications by Year in descending order

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109
papers

227
citations

1478505

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109
all docs

109
docs citations

109
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of MEMS vertical-horizonal chevron thermal actuators. Sensors and Actuators A: Physical, 2009, 153, 127-130.	4.1	43
2	Analysis of DC Electrical Conductivity Models of Carbon Nanotube-Polymer Composites with Potential Application to Nanometric Electronic Devices. Journal of Electrical and Computer Engineering, 2013, 2013, 1-14.	0.9	31
3	A Modified U-Shaped Micro-Actuator with a Compliant Mechanism Applied to a Microgripper. Actuators, 2019, 8, 28.	2.3	9
4	Interaction of Powerful Electromagnetic Wave with Integrated P-I-N Structures. Japanese Journal of Applied Physics, 1998, 37, 4332-4333.	1.5	8
5	Design and fabrication of a MEMS thermal actuator for 3D optical switching applications. , 2008, , .		8
6	Dual Band Pentagonal Microstrip Antenna for Wi-Fi Applications. , 2010, , .		8
7	XYZ Micropositioning System Based on Compliance Mechanisms Fabricated by Additive Manufacturing. Actuators, 2021, 10, 68.	2.3	8
8	Superheterodyne amplification of sub-millimeter electromagnetic waves in an n-GaAs film. Microelectronics Journal, 2003, 34, 231-235.	2.0	7
9	Modeling of MEMS Thermal Actuation with External Heat Source. , 2007, , .		7
10	Nonlinear Terahertz Electromagnetic Waves in SrTiO ₃ Crystals under Focusing. Journal of Electromagnetic Analysis and Applications, 2016, 08, 226-239.	0.2	6
11	Polysilicon thermal micro-actuators for heat scavenging and power conversion. , 2008, , .		5
12	Modulation instability of transversely limited electromagnetic waves of terahertz range in strontium titanate paraelectric. Radioelectronics and Communications Systems, 2016, 59, 489-495.	0.5	5
13	A comparison between unidimensional, circular and spherical photonic crystal stacks. Optical Materials, 2005, 27, 1255-1259.	3.6	4
14	Design and simulation of an optimized electrothermal microactuator with Z-shaped beams. Acta Universitaria, 2015, 25, 19-24.	0.2	4
15	The Impact of Carbon Nanotubes and Graphene on Electronics Industry. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2019, , 382-394.	0.8	4
16	Data fitting on a spherical shell. , 2003, , .		3
17	A semi-spherical irradiance profiles meter used as a quality control device. , 2006, , .		3
18	Prototype of Patch Antenna for Wi-Fi Communication. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
19	Polysilicon vertical actuator powered with waste heat. , 2008, , .		3
20	Antenna prototypes for indoor and outdoor Wi-Fi communication. , 2009, , .		3
21	Experimental test of epoxy resin as a radome for patch antennas. Procedia Engineering, 2012, 35, 155-164.	1.2	3
22	Rectangular patch antenna array with defect ground structure for Wi-Fi. , 2013, , .		3
23	A Novel Displacement-amplifying Compliant Mechanism Implemented on a Modified Capacitive Accelerometer. International Journal of Electrical and Computer Engineering, 2017, 7, 1858.	0.7	3
24	Dynamics of Charge Storage and Interaction of Microwaves with Silicon-Integrated Surface Oriented Structures. Japanese Journal of Applied Physics, 1998, 37, 4334-4335.	1.5	2
25	Superheterodyne Amplification of Sub Millimeter Electromagnetic Waves in an n-GaAs Film. Journal of Infrared, Millimeter and Terahertz Waves, 2003, 24, 201-209.	0.6	2
26	Comparison of Volume and Integrated P-I-N Modulators in Millimeter Wave Range. Journal of Infrared, Millimeter and Terahertz Waves, 2005, 26, 387-408.	0.6	2
27	Parabolic solar concentrator. , 2006, , .		2
28	RF control system of a parabolic solar concentrator. , 2007, , .		2
29	Polysilicon thermal microactuators for heat scavenging and power conversion. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2009, 8, 023020.	0.9	2
30	Analysis of Equivalent Antennas in RT Duroid 5880 and 5870 for GPS Operation Frequency. , 2010, , .		2
31	The effects of the touch voltage and hydrostatic pressure on the optical absorption of Delta-MIGFET transistor. , 2014, , .		2
32	A novel electrothermal compliance microgripper. , 2019, , .		2
33	Design and 3D printed implementation of a microgripper actuated by a piezoelectric stack. , 2019, , .		2
34	Progress in Advanced Materials Used in Electromagnetic Interference Shielding for Space Applications. Advances in Computer and Electrical Engineering Book Series, 2018, , 284-313.	0.3	2
35	Dynamic Analysis of a Microgripper and Its Components. British Journal of Applied Science & Technology, 2015, 9, 360-373.	0.2	2
36	Analysis of the range of acceleration for an accelerometer with extended beams. International Journal of Electrical and Computer Engineering, 2016, 6, 1541.	0.7	2

#	ARTICLE	IF	CITATIONS
37	Modelling of vacuum-silicon solid microwave diodes and triodes based on P++â€“N and on tungsten cathodes. Microelectronics Journal, 2001, 32, 133-136.	2.0	1
38	Chirping on a nonlinear finite stack. , 2003, , .		1
39	Nonlinear properties of the omniguide fiber. , 2005, , .		1
40	Temperature sensing based on optical transmission in a LiBr heat pump. Materials Research Society Symposia Proceedings, 2005, 888, 1.	0.1	1
41	Reconstruction of atmospheric vertical reflectivity profile on the base of discrete orthogonal polynomials. , 2006, , .		1
42	A MEM actuator based on a membrane, controlled by an external heath source. , 2008, , .		1
43	Irradiance patterns of directive illumination sources. , 2009, , .		1
44	A prototype of planar autonomous solar concentrator. , 2009, , .		1
45	Automated semi-spherical irradiance meter. , 2011, , .		1
46	Multimode interference effects in optical fiber for pressure sensing applications. Proceedings of SPIE, 2011, , .	0.8	1
47	Experimental analysis of epoxy resin as antenna radome. , 2012, , .		1
48	Amplification of optical phonons in narrow band semiconductors at low temperatures. Radioelectronics and Communications Systems, 2014, 57, 70-77.	0.5	1
49	Design of Baseband Digital Delta-Sigma Modulators in 180nm CMOS. IEEE Latin America Transactions, 2015, 13, 1272-1278.	1.6	1
50	Design and FEM Analysis of a New and Simple Electro-Thermal Actuated Microgripper. , 2017, , .		1
51	Microgripper Based on Simple Compliance Configurations, Improved by Using Parameterization. Actuators, 2020, 9, 140.	2.3	1
52	Nanocomposites for Space Applications. , 2021, , 1681-1705.		1
53	Nonlinear focusing of picosecond baseband pulses in paraelectric crystals in a wide temperature range. Optical and Quantum Electronics, 2021, 53, 1.	3.3	1
54	Nonlinear frequency down-conversion of acoustic wave beams in the atmosphere and ionosphere under different types of modulation. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, , 105774.	1.6	1

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55	High-precision semi-spherical meter of two degrees of freedom. , 2012, , .		1
56	Tendencias en patentamiento y emprendimiento entre investigadores de la Universidad Autónoma del Estado de Morelos. Revista Espacio I+D Innovación Más Desarrollo, 2012, X, 75-101.	0.1	1
57	Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 1999, 20, 1889-1893.	0.6	0
58	Parametric instabilities of both space charge and electromagnetic waves in GaAs semiconductors. , 2000, , .		0
59	Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 2001, 22, 121-132.	0.6	0
60	Vacuum-silicon solid microwave diodes and triodes based on P++N and on tungsten cathodes. Microelectronics Journal, 2001, 32, 173-175.	2.0	0
61	Non-linear interaction of space charge waves in GaAs semiconductor. , 0, , .		0
62	Terahertz P-I-N Modulator. Journal of Infrared, Millimeter and Terahertz Waves, 2003, 24, 189-200.	0.6	0
63	Volume and integrated p-i-n modulators in millimeter frequency range. , 0, , .		0
64	Low Noise Quasi-Optic Receiving in Millimeter and Submillimeter Range for Geophysical and Radio Telescope Measurements. Journal of Infrared, Millimeter and Terahertz Waves, 2004, 25, 277-289.	0.6	0
65	Optimized integrated p-i-n-structures for modulation in terahertz range. , 0, , .		0
66	<title>A 3D digital terrain model oriented to design a clutter predictor for the Mexican Republic</title>. , 2004, , .		0
67	Bistability, chirping, and switching in a nonlinear and partially nonlinear photonics crystal. , 2005, 5733, 278.		0
68	Coupling between metallic microstrips on dielectric substrates. , 2006, , .		0
69	Hyper Sound Amplification. , 0, , .		0
70	SOLAR CONCENTRATOR GUIDANCE. , 2006, , .		0
71	Fresnel ellipsoids, reflection, refraction and scattering in a telecommunication network design. , 2006, , .		0
72	Amplification of Hypersound in GaN Films. , 2007, , .		0

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73	MILLIMETER WAVES DETECTOR BASED ON JOSEPHSON'S JUNCTIONS WITH OPTIMAL SUBSTRATE. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 183-190.	0.6	0
74	Excitation of hypersound in n-GaN films. Microelectronics Journal, 2008, 39, 740-743.	2.0	0
75	Patch antenna for 2.4 HGz. , 2008, , .		0
76	Spherical Dielectric Photonic Crystal with Metallic Core. , 2008, , .		0
77	Dspic control system of a solar follower. Proceedings of SPIE, 2008, , .	0.8	0
78	Integrated silicon p-i-n structures with highly doped p ++, n ++ regions for modulation in terahertz frequency band. Radioelectronics and Communications Systems, 2010, 53, 309-316.	0.5	0
79	Dual Patch Antenna Array for the Openly TV Frequency Ranges in Mexico. , 2011, , .		0
80	Antenna of adjustable bandwidth based on a pentagonal array. , 2011, , .		0
81	Generation of irradiance patterns using a semi-spherical meter of two degrees of freedom. Proceedings of SPIE, 2011, , .	0.8	0
82	A NiTiNOL membrane controlled by an external heat source. Proceedings of SPIE, 2012, , .	0.8	0
83	Patch Antenna Array with Reduced Sizes for Reception of Openly Mexican Television. , 2012, , .		0
84	Three Basic Geometries of Rings Containing Microstrip Antennas. , 2012, , .		0
85	Design and implementation of a positioning system for patch antennas. , 2013, , .		0
86	Adjustable and automated system to obtain 2-D photometric patterns. , 2013, , .		0
87	Transversely Inhomogeneous Nonlinear Surface Ultrasonic Monopulses in Solid Film-Substrate System. Acta Physica Polonica A, 2014, 125, 1118-1125.	0.5	0
88	Wi-Fi Antenna Array Based on a Mixed Configuration. , 2014, , .		0
89	Portable system to luminaries characterization. Proceedings of SPIE, 2014, , .	0.8	0
90	Stress Analysis on the Folded Beams of a MEM Accelerometer. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
91	Structural Optimization of an Electrothermal Chevron V-Shape Microactuator Device. , 2015, , .		0
92	Fatigue analysis of chevron structures with Z shape arms. , 2015, , .		0
93	Operating Frequency Displacement on Patch Antenna due to Positioning Structure Effect. , 2017, , .		0
94	Excitation of Short Electric Monopulse in Nitride Films with Negative Differential Conductivity. Radioelectronics and Communications Systems, 2019, 62, 262-270.	0.5	0
95	Capacitive Accelerometers with Beams Based on Alternated Segments of Different Widths. Actuators, 2020, 9, 97.	2.3	0
96	Progress in Advanced Materials Used in Electromagnetic Interference Shielding for Space Applications. , 2021, , 530-553.		0
97	Nonlinear Pulse Propagation and Modulation Instability in Periodic Media with and without Defects. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2006, 2, 177-181.	0.4	0
98	Selección y Espaciamiento de Apartarrays en Líneas de Distribución de 23 kV de la Zona Centro. Nova Scientia, 2015, 7, 339.	0.1	0
99	Sobreteniones en compensadores estáticos de VAR debido a falla de apertura de interruptor, simulación en ATP y el evento real. Nova Scientia, 2015, 7, 102.	0.1	0
100	Diseño y simulación de un acelerómetro con respuesta de sensibilidad mejorada. Ingeniería Y Competitividad, 2016, 18, 141.	0.1	0
101	Superheterodyne Amplification for Increase the Working Frequency. Journal of Electromagnetic Analysis and Applications, 2017, 09, 43-52.	0.2	0
102	The Impact of Carbon Nanotubes and Graphene on Electronics Industry. , 2018, , 2897-2907.		0
103	El efecto de la geometría de los brazos en la respuesta de un acelerómetro de capa única y doble. Ingeniería Y Competitividad, 2016, 18, 141.		0
104	Performance of compliant mechanisms applied to a modified shape accelerometer of single and double layer. International Journal of Electrical and Computer Engineering, 2019, 9, 4675.	0.7	0
105	Nanocomposites for Space Applications. Advances in Mechatronics and Mechanical Engineering, 2020, , 191-222.	1.0	0
106	Different Geometries of Superheterodyne Amplification of Electromagnetic Beams in Waveguides Nitride-Dielectric. Journal of Electromagnetic Analysis and Applications, 2020, 12, 159-168.	0.2	0
107	UNINTERRUPTED LOAD TRANSFER BETWEEN TWO DISTRIBUTION FEEDERS WITH DIFFERENT POWER SOURCES. Dyna Energia Y Sostenibilidad, 2022, 11, [18 P.]-[18 P.].	0.1	0
108	OPERATIONAL CONSIDERATIONS THAT DETERMINE THE SUCCESSFUL INTERCONNECTION OF URBAN MEDIUM-VOLTAGE DISTRIBUTION CIRCUITS TO MAINTAIN THE CONTINUITY OF ELECTRICAL SUPPLY. Dyna (Spain), 2022, DYNA-ACELERADO, [2 p]-[2 p].	0.2	0

#	ARTICLE	IF	CITATIONS
109	Peculiarities of electromagnetic wave propagation in dielectric waveguides in the region of weak retardings. , 0, , .		0