

Gamani Karunasiri

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

805
citations

759233

12
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time imaging using a 28 THz quantum cascade laser and uncooled infrared microbolometer camera. Optics Letters, 2008, 33, 440.	3.3	128
2	Bi-material terahertz sensors using metamaterial structures. Optics Express, 2013, 21, 13256.	3.4	109
3	Microelectromechanical systems bimaterial terahertz sensor with integrated metamaterial absorber. Optics Letters, 2012, 37, 1886.	3.3	88
4	Strong terahertz absorption using SiO ₂ /Al based metamaterial structures. Applied Physics Letters, 2012, 100, .	3.3	69
5	Narrowband terahertz emitters using metamaterial films. Optics Express, 2012, 20, 21025.	3.4	66
6	Normal incident InGaAs/GaAs multiple quantum well infrared detector using electron intersubband transitions. Applied Physics Letters, 1995, 67, 2600-2602.	3.3	51
7	Fabrication of a microelectromechanical directional sound sensor with electronic readout using comb fingers. Applied Physics Letters, 2010, 96, .	3.3	51
8	Bio-Inspired Miniature Direction Finding Acoustic Sensor. Scientific Reports, 2016, 6, 29957.	3.3	48
9	Al/SiO _x /Al single and multiband metamaterial absorbers for terahertz sensor applications. Optical Engineering, 2013, 52, 013801.	1.0	44
10	MEMS terahertz-to-infrared band converter using frequency selective planar metamaterial. Scientific Reports, 2018, 8, 12466.	3.3	22
11	MEMS directional sound sensor with simultaneous detection of two frequency bands. , 2010, , .		20
12	Reduced Residual Stress Curvature and Branched Comb Fingers Increase Sensitivity of MEMS Acoustic Sensor. Journal of Microelectromechanical Systems, 2014, 23, 417-423.	2.5	16
13	Investigation of microelectromechanical systems bimaterial sensors with metamaterial absorbers for terahertz imaging. Optical Engineering, 2014, 53, 097103.	1.0	12
14	Thermionic emission and tunneling in InGaAs/GaAs quantum well infrared detectors. Journal of Applied Physics, 1996, 79, 8121-8123.	2.5	10
15	Nonequilibrium electron leakage in terahertz quantum cascade structures. Physical Review B, 2012, 85, .	3.2	9
16	Nonresonant tunneling phonon depopulated GaN based terahertz quantum cascade structures. Applied Physics Letters, 2013, 102, .	3.3	9
17	Terahertz metamaterial absorbers with an embedded resistive layer. Optical Materials Express, 2013, 3, 1020.	3.0	9
18	Intermixing in strained InGaAs/GaAs quantum-well infrared photodetectors. Applied Physics Letters, 1999, 74, 1102-1104.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Vacancy-enhanced intermixing in highly strained InGaAs/GaAs multiple quantum well photodetector. Journal of Applied Physics, 1999, 86, 3402-3407.	2.5	6
20	High sensitivity metamaterial based bi-material terahertz sensor. , 2013, , .		4
21	Electronic phase shift measurement for the determination of acoustic wave DOA using single MEMS biomimetic sensor. Scientific Reports, 2020, 10, 12714.	3.3	4
22	Fabrication of MEMS Directional Acoustic Sensors for Underwater Operation. Sensors, 2020, 20, 1245.	3.8	4
23	MEMS Underwater Directional Acoustic Sensor in Near Neutral Buoyancy Configuration. Sensors, 2022, 22, 1337.	3.8	4
24	Real-time terahertz imaging of nonmetallic objects for security screening and anti-counterfeiting applications. Proceedings of SPIE, 2008, , .	0.8	3
25	Optimizing detection methods for terahertz bioimaging applications. Optical Engineering, 2015, 54, 067107.	1.0	3
26	MEMS THz sensors using metasurface structures. , 2018, , .		3
27	Validated model of platelet slip at stenosis and device surfaces. Platelets, 2020, 31, 373-382.	2.3	2
28	Highly absorbing nano-scale metal films for terahertz. Proceedings of SPIE, 2011, , .	0.8	1
29	Optimization of THz absorption in thin films. , 2011, , .		1
30	Investigation of MEMS bi-material sensors with metamaterial absorbers for THz imaging. Proceedings of SPIE, 2014, , .	0.8	1
31	Understanding of self-terminating pulse generation using silicon controlled rectifier and RC load. AIP Advances, 2016, 6, 015209.	1.3	1
32	Thermal Interdiffusion in InGaAs/GaAs Strained Multiple Quantum Well Infrared Photodetector. Materials Research Society Symposia Proceedings, 1997, 484, 459.	0.1	0
33	Metal-organic hybrid metamaterial THz imaging band translators. , 2015, , .		0
34	MEMS directional acoustic sensor for locating sound sources. Proceedings of SPIE, 2017, , .	0.8	0
35	MEMS direction finding acoustic sensor. Proceedings of SPIE, 2017, , .	0.8	0