

Gamani Karunasiri

List of Publications by Year in descending order

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35
papers

805
citations

759233

12
h-index

526287

27
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35
all docs

35
docs citations

35
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	MEMS Underwater Directional Acoustic Sensor in Near Neutral Buoyancy Configuration. Sensors, 2022, 22, 1337.	3.8	4
2	Validated model of platelet slip at stenosis and device surfaces. Platelets, 2020, 31, 373-382.	2.3	2
3	Electronic phase shift measurement for the determination of acoustic wave DOA using single MEMS biomimetic sensor. Scientific Reports, 2020, 10, 12714.	3.3	4
4	Fabrication of MEMS Directional Acoustic Sensors for Underwater Operation. Sensors, 2020, 20, 1245.	3.8	4
5	MEMS terahertz-to-infrared band converter using frequency selective planar metamaterial. Scientific Reports, 2018, 8, 12466.	3.3	22
6	MEMS THz sensors using metasurface structures. , 2018, , .		3
7	MEMS directional acoustic sensor for locating sound sources. Proceedings of SPIE, 2017, , .	0.8	0
8	MEMS direction finding acoustic sensor. Proceedings of SPIE, 2017, , .	0.8	0
9	Bio-Inspired Miniature Direction Finding Acoustic Sensor. Scientific Reports, 2016, 6, 29957.	3.3	48
10	Understanding of self-terminating pulse generation using silicon controlled rectifier and RC load. AIP Advances, 2016, 6, 015209.	1.3	1
11	Metal-organic hybrid metamaterial THz imaging band translators. , 2015, , .		0
12	Optimizing detection methods for terahertz bioimaging applications. Optical Engineering, 2015, 54, 067107.	1.0	3
13	Investigation of MEMS bi-material sensors with metamaterial absorbers for THz imaging. Proceedings of SPIE, 2014, , .	0.8	1
14	Investigation of microelectromechanical systems bimaterial sensors with metamaterial absorbers for terahertz imaging. Optical Engineering, 2014, 53, 097103.	1.0	12
15	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
16	Nonresonant tunneling phonon depopulated GaN based terahertz quantum cascade structures. Applied Physics Letters, 2013, 102, .	3.3	9
17	Bi-material terahertz sensors using metamaterial structures. Optics Express, 2013, 21, 13256.	3.4	109
18	Terahertz metamaterial absorbers with an embedded resistive layer. Optical Materials Express, 2013, 3, 1020.	3.0	9

#	ARTICLE	IF	CITATIONS
19	High sensitivity metamaterial based bi-material terahertz sensor. , 2013, , .		4
20	Al/SiO _x /Al single and multiband metamaterial absorbers for terahertz sensor applications. Optical Engineering, 2013, 52, 013801.	1.0	44
21	Microelectromechanical systems bimaterial terahertz sensor with integrated metamaterial absorber. Optics Letters, 2012, 37, 1886.	3.3	88
22	Narrowband terahertz emitters using metamaterial films. Optics Express, 2012, 20, 21025.	3.4	66
23	Strong terahertz absorption using SiO ₂ /Al based metamaterial structures. Applied Physics Letters, 2012, 100, .	3.3	69
24	Nonequilibrium electron leakage in terahertz quantum cascade structures. Physical Review B, 2012, 85, .	3.2	9
25	Highly absorbing nano-scale metal films for terahertz. Proceedings of SPIE, 2011, , .	0.8	1
26	Optimization of THz absorption in thin films. , 2011, , .		1
27	MEMS directional sound sensor with simultaneous detection of two frequency bands. , 2010, , .		20
28	Fabrication of a microelectromechanical directional sound sensor with electronic readout using comb fingers. Applied Physics Letters, 2010, 96, .	3.3	51
29	Real-time imaging using a 28 THz quantum cascade laser and uncooled infrared microbolometer camera. Optics Letters, 2008, 33, 440.	3.3	128
30	Real-time terahertz imaging of nonmetallic objects for security screening and anti-counterfeiting applications. Proceedings of SPIE, 2008, , .	0.8	3
31	Intermixing in strained InGaAs/GaAs quantum-well infrared photodetectors. Applied Physics Letters, 1999, 74, 1102-1104.	3.3	7
32	Vacancy-enhanced intermixing in highly strained InGaAs/GaAs multiple quantum well photodetector. Journal of Applied Physics, 1999, 86, 3402-3407.	2.5	6
33	Thermal Interdiffusion in InGaAs/GaAs Strained Multiple Quantum Well Infrared Photodetector. Materials Research Society Symposia Proceedings, 1997, 484, 459.	0.1	0
34	Thermionic emission and tunneling in InGaAs/GaAs quantum well infrared detectors. Journal of Applied Physics, 1996, 79, 8121-8123.	2.5	10
35	Normal incident InGaAs/GaAs multiple quantum well infrared detector using electron intersubband transitions. Applied Physics Letters, 1995, 67, 2600-2602.	3.3	51