

# Nan M Jokerst

## List of Publications by Year in descending order

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28  
papers

453  
citations

1163117

8  
h-index

888059

17  
g-index

28  
all docs

28  
docs citations

28  
times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid metamaterials enable fast electrical modulation of freely propagating terahertz waves. Applied Physics Letters, 2008, 93, .	3.3	124
2	Integrated Optical Sensor in a Digital Microfluidic Platform. IEEE Sensors Journal, 2008, 8, 628-635.	4.7	118
3	Chip scale integrated microresonator sensing systems. Journal of Biophotonics, 2009, 2, 212-226.	2.3	57
4	Chip Scale Optical Microresonator Sensors Integrated With Embedded Thin Film Photodetectors on Electrowetting Digital Microfluidics Platforms. IEEE Sensors Journal, 2012, 12, 1794-1800.	4.7	46
5	Droplet-Based Sensing: Optical Microresonator Sensors Embedded in Digital Electrowetting Microfluidics Systems. IEEE Sensors Journal, 2013, 13, 4733-4742.	4.7	22
6	Reconfigurable engineered motile semiconductor microparticles. Nature Communications, 2018, 9, 1791.	12.8	18
7	Integrated Sample Preparation and Sensing: Polymer Microresonator Sensors Embedded in Digital Electrowetting Microfluidic Systems. IEEE Photonics Journal, 2012, 4, 2126-2135.	2.0	13
8	Strain Sensing with Metamaterial Composites. Advanced Optical Materials, 2019, 7, 1801397.	7.3	11
9	Concentric Multipixel Silicon Photodiode Array Probes for Spatially Resolved Diffuse Reflectance Spectroscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 7-12.	2.9	7
10	Flexible silicon sensors for diffuse reflectance spectroscopy of tissue. Biomedical Optics Express, 2017, 8, 1512.	2.9	7
11	Spatially resolved diffuse reflectance spectroscopy endoscopic sensing with custom Si photodetectors. Biomedical Optics Express, 2018, 9, 1164.	2.9	5
12	Methods of extraction of optical properties from diffuse reflectance measurements of ex-vivo human colon tissue using thin film silicon photodetector arrays. Biomedical Optics Express, 2019, 10, 5703.	2.9	5
13	Planar Integrated Optical Detection of a Hybrid Long-Range Surface Plasmon Using an InGaAs Inverted-MSM Detector Bonded to Silicon. IEEE Photonics Technology Letters, 2010, 22, 841-843.	2.5	4
14	Custom annular photodetector arrays for breast cancer margin assessment using diffuse reflectance spectroscopy. , 2011, , .		4
15	Integrated sample preparation and sensing: Microresonator optical sensors embedded in digital electrowetting microfluidics systems. , 2011, , .		3
16	Chip scale integrated microresonators for sensing applications. Proceedings of SPIE, 2008, , .	0.8	2
17	Propulsion and assembly of remotely powered p-type silicon microparticles. APL Materials, 2018, 6, 121102.	5.1	2
18	Chip-Scale Sensor System Integration for Portable Health Monitoring. Anesthesia and Analgesia, 2007, 105, S42-S47.	2.2	1

#	ARTICLE	IF	CITATIONS
19	Dual-band planar electric THz metamaterial with resonator yield analysis. , 2008, , .		1
20	Integrating Sensing and Information Processing in an Electrical and Computer Engineering undergraduate curriculum. , 2009, , .		1
21	Mapping Active Strain Using Terahertz Metamaterial Laminates. APL Photonics, 0, , .	5.7	1
22	On-chip fluorescence sensing for fluidics platforms using thin film silicon photodetectors. Biomedical Optics Express, 2020, 11, 5772.	2.9	1
23	A custom wide-field spectral imager for breast cancer margin assessment. , 2011, , .		0
24	High responsivity, low dark current, large area, heterogenously bonded annular thin-film silicon photodetectors. , 2012, , .		0
25	Integrated Thin Film Silicon Detectors for Fluorescence Sensing. , 2018, , .		0
26	Strain Sensing with THz Metamaterial Composites. , 2020, , .		0
27	Strain Mapping with THz Metamaterial Composites. , 2021, , .		0
28	Strain Mapping with THz Metamaterial Composites. , 2020, , .		0