

# Murat Kaya Yapici

## List of Publications by Year in descending order

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53  
papers

993  
citations

623734

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h-index

552781

26  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene as a Piezoresistive Material in Strain Sensing Applications. <i>Micromachines</i> , 2022, 13, 119.	2.9	22
2	A Hybrid Spiral Microfluidic Platform Coupled with Surface Acoustic Waves for Circulating Tumor Cell Sorting and Separation: A Numerical Study. <i>Biosensors</i> , 2022, 12, 171.	4.7	15
3	Surface Electromyography With Wearable Graphene Textiles. <i>IEEE Sensors Journal</i> , 2021, 21, 14397-14406.	4.7	11
4	Toward graphene textiles in wearable eye tracking systems for human-machine interaction. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 180-189.	2.8	23
5	Fabrication and Materials Integration of Flexible Humidity Sensors for Emerging Applications. <i>ACS Omega</i> , 2021, 6, 8744-8753.	3.5	74
6	Design and Optimization of Cantilever Based RF-MEMS Shunt Switch for 5G Applications. , 2021, , .		0
7	Elastomeric Stamp-Assisted Exfoliation and Transfer of Patterned Graphene Layers. , 2021, , .		0
8	Flexible Graphene Textile Temperature Sensing RFID Coils Based on Spray Printing. <i>IEEE Sensors Journal</i> , 2021, 21, 26382-26388.	4.7	25
9	On-chip measurement of pH using a microcantilever: a biomimetic design approach. , 2021, , .		1
10	A 28 GHz 2 × 2 Antenna Array with 10 Beams Using Passive SPDT Switch Beamforming Network. <i>Sensors</i> , 2021, 21, 7138.	3.8	0
11	Strain Sensing Graphene Functionalized PET Films based on a Facile Dip Coating Approach. , 2021, , .		0
12	Smart Armband with Graphene Textile Electrodes for EMG-based Muscle Fatigue Monitoring. , 2021, , .		6
13	Gel-Free Wearable Electroencephalography (EEG) with Soft Graphene Textiles. , 2021, , .		11
14	Wavy Cantilever RF-MEMS Switch based on Bidirectional Control of Intrinsic Stress. , 2020, , .		1
15	An ISFET Sensor-Integrated Micromixer for pH Measurements. , 2020, , .		1
16	Simulation of Dielectrophoresis based Separation of Red Blood Cells (RBC) from Bacteria Cells. , 2020, , .		8
17	Flexible Graphene Textile RFID Tags Based on Spray, Dispense and Contact Printing. , 2020, , .		3
18	A 28 GHz 2 × 2 Antenna Array with 10 Beams Using Passive Beamforming Network. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Integrated On-Chip Transformers: Recent Progress in the Design, Layout, Modeling and Fabrication. Sensors, 2019, 19, 3535.	3.8	15
20	Graphene Smart Textile-Based Wearable Eye Movement Sensor for Electro-Ocular Control and Interaction with Objects. Journal of the Electrochemical Society, 2019, 166, B3184-B3193.	2.9	28
21	Wearable and Flexible Textile Electrodes for Biopotential Signal Monitoring: A review. Electronics (Switzerland), 2019, 8, 479.	3.1	183
22	Intrinsic stress-induced bending as a platform technology for controlled self-assembly of high-Q on-chip RF inductors. Journal of Micromechanics and Microengineering, 2019, 29, 064002.	2.6	6
23	Muscular Activity Monitoring and Surface Electromyography (sEMG) with Graphene Textiles. , 2019, , .		7
24	Alternating magnetic field plate for enhanced magnetofection of iron oxide nanoparticle conjugated nucleic acids. Journal of Magnetism and Magnetic Materials, 2019, 469, 598-605.	2.3	12
25	Graphene-coated wearable textiles for EOG-based human-computer interaction. , 2018, , .		9
26	Wearable Graphene Nanotextile Embedded Smart Armband for Cardiac Monitoring. , 2018, , .		11
27	Electrooculography by Wearable Graphene Textiles. IEEE Sensors Journal, 2018, 18, 8971-8978.	4.7	45
28	Self-assembly of high performance on-chip RF-MEMS inductors using internal stress. , 2018, , .		1
29	Wearable graphene textile-enabled EOG sensing. , 2017, , .		12
30	Intelligent Medical Garments with Graphene-Functionalized Smart-Cloth ECG Sensors. Sensors, 2017, 17, 875.	3.8	120
31	Simple method for adaptive filtering of motion artifacts in E-textile wearable ECG sensors. , 2015, 2015, 3807-10.		17
32	Graphene-clad textile electrodes for electrocardiogram monitoring. Sensors and Actuators B: Chemical, 2015, 221, 1469-1474.	7.8	186
33	UV-LED exposure system for low-cost photolithography. Proceedings of SPIE, 2014, , .	0.8	10
34	UV LED lithography with digitally tunable exposure dose. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2014, 13, 043004.	0.9	2
35	Energy efficient system-on-chip architecture for non-invasive mobile monitoring of diabetics. , 2013, , .		7
36	Parallel acoustic delay lines for photoacoustic tomography. , 2013, , .		0

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37	Parallel acoustic delay lines for photoacoustic tomography. Journal of Biomedical Optics, 2012, 17, 116019.	2.6	18
38	High-Transmission-Efficiency and Side-Viewing Micro OIRS Probe for Fast and Minimally Invasive Tumor Margin Detection. IEEE Sensors Journal, 2011, 11, 891-896.	4.7	6
39	Formation of 1-D Nanostructures Using Atomic Force Microscope. IEEE Nanotechnology Magazine, 2011, 10, 310-318.	2.0	0
40	Vortex Pinning by an Inhomogeneous Magnetic Field. Journal of Superconductivity and Novel Magnetism, 2010, 23, 1079-1082.	1.8	9
41	High-efficiency and side-viewing micro fiber optic probe for in-vivo diffuse reflectance measurements of human epithelial tissues. , 2009, 2009, 757-60.		0
42	Micromagnet-superconducting hybrid structures with directional current flow dependence for persistent current switching. Applied Physics Letters, 2009, 95, 022506.	3.3	13
43	Microfabrication of colloidal scanning probes with controllable tip radii of curvature. Journal of Micromechanics and Microengineering, 2009, 19, 105021.	2.6	7
44	Permalloy-coated tungsten probe for magnetic manipulation of micro droplets. Microsystem Technologies, 2008, 14, 881-891.	2.0	18
45	Development and experimental characterization of micromachined electromagnetic probes for biological manipulation and stimulation applications. Sensors and Actuators A: Physical, 2008, 144, 213-221.	4.1	12
46	Gold-coated scanning probes for direct "write" of sub-micron metallic structures. Micro and Nano Letters, 2008, 3, 90.	1.3	5
47	A New Wireless Sensor System for Smart Diapers. IEEE Sensors Journal, 2008, 8, 238-239.	4.7	23
48	A novel micromachining technique for the batch fabrication of scanning probe arrays with precisely defined tip contact areas. Journal of Micromechanics and Microengineering, 2008, 18, 085015.	2.6	6
49	A Novel Scanning Probe Array with Multiple Tip Sharpness for Variable-Resolution Scanning Probe Lithography Applications. , 2008, , .		0
50	Development of a Universal Wireless Sensor System for Automated Environmental Event Monitoring. , 2007, , .		0
51	Experimental Characterization of Micromachined Electromagnetic Probes using Scanning Hall Probe Microscopy. , 2007, , .		1
52	Mechanisms of formation of nanostructures with atomic force microscopy. , 2007, , .		0
53	Controllable Direct "Writing" of Gold Nanostructures for Integrated Nanobiosensor Applications. , 2007, , .		0