

Anindya Nag

List of Publications by Year in descending order

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78
papers

2,903
citations

201674

27
h-index

168389

53
g-index

91
all docs

91
docs citations

91
times ranked

3210
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene and its sensor-based applications: A review. Sensors and Actuators A: Physical, 2018, 270, 177-194.	4.1	475
2	Wearable Flexible Sensors: A Review. IEEE Sensors Journal, 2017, 17, 3949-3960.	4.7	379
3	Carbon nanotubes and its gas-sensing applications: A review. Sensors and Actuators A: Physical, 2019, 291, 107-143.	4.1	190
4	3D Printed Sensors for Biomedical Applications: A Review. Sensors, 2019, 19, 1706.	3.8	150
5	Flexible carbon nanotube nanocomposite sensor for multiple physiological parameter monitoring. Sensors and Actuators A: Physical, 2016, 251, 148-155.	4.1	90
6	Strain induced graphite/PDMS sensors for biomedical applications. Sensors and Actuators A: Physical, 2018, 271, 257-269.	4.1	87
7	3D printed mould-based graphite/PDMS sensor for low-force applications. Sensors and Actuators A: Physical, 2018, 280, 525-534.	4.1	87
8	Silicon-Based Sensors for Biomedical Applications: A Review. Sensors, 2019, 19, 2908.	3.8	86
9	A temperature-compensated graphene sensor for nitrate monitoring in real-time application. Sensors and Actuators A: Physical, 2018, 269, 79-90.	4.1	85
10	Sensing system for salinity testing using laser-induced graphene sensors. Sensors and Actuators A: Physical, 2017, 264, 107-116.	4.1	84
11	A review on fabrication, characterization and implementation of wearable strain sensors. Sensors and Actuators A: Physical, 2020, 315, 112355.	4.1	79
12	Multifunctional Flexible Sensor Based on Laser-Induced Graphene. Sensors, 2019, 19, 3477.	3.8	66
13	Novel Sensing Approach for LPG Leakage Detection: Part I—Operating Mechanism and Preliminary Results. IEEE Sensors Journal, 2016, 16, 996-1003.	4.7	63
14	Tactile Sensing From Laser-Ablated Metallized PET Films. IEEE Sensors Journal, 2017, 17, 7-13.	4.7	62
15	A Transparent Strain Sensor Based on PDMS-Embedded Conductive Fabric for Wearable Sensing Applications. IEEE Access, 2018, 6, 71020-71027.	4.2	61
16	IoT-based sensing system for phosphate detection using Graphite/PDMS sensors. Sensors and Actuators A: Physical, 2019, 286, 43-50.	4.1	61
17	Multi-Walled Carbon Nanotubes-Based Sensors for Strain Sensing Applications. Sensors, 2021, 21, 1261.	3.8	60
18	Fabrication and implementation of printed sensors for taste sensing applications. Sensors and Actuators A: Physical, 2018, 269, 53-61.	4.1	50

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19	Laser-Assisted Printed Flexible Sensors: A Review. <i>Sensors</i> , 2019, 19, 1462.	3.8	50
20	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 303001.	1.8	49
21	Novel Sensing Approach for LPG Leakage Detection—Part II: Effects of Particle Size, Composition, and Coating Layer Thickness. <i>IEEE Sensors Journal</i> , 2016, 16, 1088-1094.	4.7	43
22	Interdigital sensors: Biomedical, environmental and industrial applications. <i>Sensors and Actuators A: Physical</i> , 2020, 305, 111923.	4.1	40
23	Recent Progress in 3D Printed Mold-Based Sensors. <i>Sensors</i> , 2020, 20, 703.	3.8	37
24	Performance analysis of flexible printed sensors for robotic arm applications. <i>Sensors and Actuators A: Physical</i> , 2018, 276, 226-236.	4.1	35
25	Gold/Polyimide-Based Resistive Strain Sensors. <i>Electronics (Switzerland)</i> , 2019, 8, 565.	3.1	33
26	Wearable Sensors for Healthcare: Fabrication to Application. <i>Sensors</i> , 2022, 22, 5137.	3.8	31
27	Occupancy Detection at Smart Home Using Real-Time Dynamic Thresholding of Flexiforce Sensor. <i>IEEE Sensors Journal</i> , 2015, 15, 4457-4463.	4.7	29
28	Soy protein-polysaccharide complex coacervate under physical treatment: Effects of pH, ionic strength and polysaccharide type. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 68, 102612.	5.6	29
29	A Review on the Use of Impedimetric Sensors for the Inspection of Food Quality. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5220.	2.6	26
30	Electrochemical detection of calcium and magnesium in water bodies. <i>Sensors and Actuators A: Physical</i> , 2020, 305, 111949.	4.1	26
31	Novel Zn-Binding Peptide Isolated from Soy Protein Hydrolysates: Purification, Structure, and Digestion. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 483-490.	5.2	19
32	Recent progress in the fabrication of graphene fibers and their composites for applications of monitoring human activities. <i>Applied Materials Today</i> , 2021, 22, 100953.	4.3	18
33	A Review of the Use of Carbon Nanotubes and Graphene-Based Sensors for the Detection of Aflatoxin M1 Compounds in Milk. <i>Sensors</i> , 2021, 21, 3602.	3.8	17
34	Integration of Different Graphene Nanostructures with PDMS to Form Wearable Sensors. <i>Nanomaterials</i> , 2022, 12, 950.	4.1	16
35	Electrochemical Detection of Glucose Molecules Using Laser-Induced Graphene Sensors: A Review. <i>Sensors</i> , 2021, 21, 2818.	3.8	14
36	A critical review of the recent progress on carbon nanotubes-based nanogenerators. <i>Sensors and Actuators A: Physical</i> , 2022, 344, 113743.	4.1	14

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37	IoT-Based Laser-Inscribed Sensors for Detection of Sulfate in Water Bodies. IEEE Access, 2020, 8, 228879-228890.	4.2	12
38	Transparent biocompatible sensor patches for touch sensitive prosthetic limbs. , 2016, , .		11
39	Development of an Internet of Things Based Electrochemical Microfluidic System for Free Calcium Detection. Applied Sciences (Switzerland), 2018, 8, 1357.	2.5	10
40	Fabrication and implementation of carbon nanotubes for piezoresistive-sensing applications: A review. Journal of Science: Advanced Materials and Devices, 2022, 7, 100416.	3.1	10
41	A comprehensive review of the use of sensors for food intake detection. Sensors and Actuators A: Physical, 2020, 315, 112318.	4.1	9
42	Use of graphene-based fabric sensors for monitoring human activities. Sensors and Actuators A: Physical, 2021, 332, 113172.	4.1	9
43	Wearable Sensors and Systems in the IoT. Sensors, 2021, 21, 7880.	3.8	8
44	Carbon Fiber/Polymer-Based Composites for Wearable Sensors: A Review. IEEE Sensors Journal, 2022, 22, 10235-10245.	4.7	8
45	Wearable Electronics Sensors: Current Status and Future Opportunities. Smart Sensors, Measurement and Instrumentation, 2015, , 1-35.	0.6	7
46	Urinary incontinence monitoring system using laser-induced graphene sensors. , 2017, , .		7
47	The self-assembled zein hydrolysate-curcumin nanocomplex: improvement on the stability and sustainable release of curcumin. Journal of the Science of Food and Agriculture, 2022, 102, 5729-5737.	3.5	7
48	Novel Surfactant-Induced MWCNTs/PDMS-Based Nanocomposites for Tactile Sensing Applications. Materials, 2022, 15, 4504.	2.9	7
49	Performance enhancement of electronic sensor through mask-less lithography. , 2015, , .		6
50	Impedimetric microsensors for biomedical applications. Current Opinion in Biomedical Engineering, 2019, 9, 1-7.	3.4	6
51	Reduced Graphene Oxide for the Development of Wearable Mechanical Energy-Harvesters: A Review. IEEE Sensors Journal, 2021, 21, 26415-26425.	4.7	6
52	Development, characterization and in vitro bile salts binding capacity of selenium nanoparticles stabilized by soybean polypeptides. Food Chemistry, 2022, 391, 133286.	8.2	5
53	Smart Home: Recognition of activities of elderly for 24/7; Coverage issues. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 1-10.	0.7	4
54	Reduced graphene oxide-based composites for wearable strain-sensing applications. Sensors and Actuators A: Physical, 2022, 345, 113767.	4.1	4

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55	Printed electronics: Present and future opportunities. , 2015, , .		3
56	Improved detection limits for phthalates by selective solid-phase micro-extraction. , 2015, , .		3
57	Influence of temperature and humidity on carbon based printed flexible sensors. , 2017, , .		3
58	Internet of Things (IoT)-Enabled Pedestrian Counting in a Smart City. Algorithms for Intelligent Systems, 2022, , 89-104.	0.6	3
59	Physicochemical and rheological properties of interacted protein hydrolysates derived from tuna processing byâ€products with sodium alginate. International Journal of Food Science and Technology, 2022, 57, 5132-5143.	2.7	3
60	Flexible Printed Sensors for Ubiquitous Human Monitoring. Smart Sensors, Measurement and Instrumentation, 2017, , 135-157.	0.6	2
61	Development of printed sensors for taste sensing. , 2017, , .		1
62	Development of Novel Gold/PDMS Sensors for Medical Applications. , 2018, , .		1
63	Development of Printed Sensors for Shoe Sensing Applications. , 2018, , .		1
64	Interdigitated Sensing and Electrochemical Impedance Spectroscopy. Smart Sensors, Measurement and Instrumentation, 2019, , 83-89.	0.6	1
65	Localisation of thin- film resistive sensors for force sensing applications. , 2019, , .		1
66	Recent progress for nanotechnology-based flexible sensors for biomedical applications. , 2021, , 379-428.		1
67	Nanoparticles-Based Flexible Wearable Sensors for Health Monitoring Applications. , 2019, , 245-284.		1
68	Alteration in dough volume and gluten network of lychee pulp pomace bread base on mixture design dominated by particle size. Journal of Food Science, 2022, 87, 3026-3035.	3.1	1
69	Mathematical modelling of microbolometers at oblique incidence. , 2017, , .		0
70	pH Sensing of Printed Flexible Sensors. , 2018, , .		0
71	Conclusion, Challenges and Future Work. Smart Sensors, Measurement and Instrumentation, 2019, , 193-198.	0.6	0
72	Carbon Nanotubes-Polydimethylsiloxane Sensor. Smart Sensors, Measurement and Instrumentation, 2019, , 91-114.	0.6	0

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73	Graphite-Polyimide Sensor. Smart Sensors, Measurement and Instrumentation, 2019, , 129-168.	0.6	0
74	Graphite-Polydimethylsiloxane Sensor. Smart Sensors, Measurement and Instrumentation, 2019, , 169-192.	0.6	0
75	Recent Advancement of Interdigital Sensor for Nitrate Monitoring in Water. Smart Sensors, Measurement and Instrumentation, 2021, , 311-328.	0.6	0
76	IoT-Based Laser-Inscribed Sensors for Electrochemical Detection of Phosphate Ions. Algorithms for Intelligent Systems, 2022, , 79-88.	0.6	0
77	Fabrication of Interdigitated Sensors: Issues and Resolution. Smart Sensors, Measurement and Instrumentation, 2021, , 35-69.	0.6	0
78	A REVIEW OF ENERGY OPTIMAL TOPOLOGY CONTROL FOR LARGE WIRELESS NETWORK USING YAO-GRAPH AND ITS VARIANTS. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 740-761.	0.7	0