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List of Publications by Year in descending order

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40
papers

834
citations

623188

14
h-index

500791

28
g-index

41
all docs

41
docs citations

41
times ranked

1162
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible microfluidic cloth-based analytical devices using a low-cost waxpatterning technique. Lab on A Chip, 2012, 12, 209-218.	3.1	186
2	Antimicrobial Treatment of Different Metal Oxide Nanoparticles: A Critical Review. Journal of the Chinese Chemical Society, 2016, 63, 385-393.	0.8	111
3	Cotton fabric-based electrochemical device for lactate measurement in saliva. Analyst, The, 2014, 139, 3009-3016.	1.7	86
4	Effect of graphene oxide on the structural and electrochemical behavior of polypyrrole deposited on cotton fabric. Journal of Molecular Structure, 2014, 1075, 486-493.	1.8	53
5	Multiple semi-quantitative colorimetric assays in compact embeddable microfluidic cloth-based analytical device (1/4CAD) for effective point-of-care diagnostic. Microfluidics and Nanofluidics, 2015, 19, 317-333.	1.0	49
6	Cotton fabric as an immobilization matrix for low-cost and quick colorimetric enzyme-linked immunosorbent assay (ELISA). Analytical Methods, 2014, 6, 7175-7180.	1.3	42
7	EDTA-treated cotton-thread microfluidic device used for one-step whole blood plasma separation and assay. Lab on A Chip, 2016, 16, 1492-1504.	3.1	41
8	Fiber based enzyme-linked immunosorbent assay for C-reactive protein. Sensors and Actuators B: Chemical, 2014, 205, 50-60.	4.0	28
9	Textile/Al ₂ O ₃ –TiO ₂ nanocomposite as an antimicrobial and radical scavenger wound dressing. RSC Advances, 2016, 6, 8188-8197.	1.7	25
10	Proprioceptive Sensing System for Therapy Assessment Using Cotton Fabric-Based Biomedical Microelectromechanical System. IEEE Sensors Journal, 2014, 14, 2872-2880.	2.4	23
11	<i>In Situ</i> Synthesis of Silver Nanoparticles for AgNP/Cotton Nanocomposite and Its Bactericidal Effect. Journal of the Chinese Chemical Society, 2017, 64, 1286-1293.	0.8	21
12	Oxygen reduction reaction mechanism on a phosphorus-doped pyrolyzed graphitic Fe/N/C catalyst. New Journal of Chemistry, 2019, 43, 11408-11418.	1.4	19
13	Biomimetic strain-sensing microstructure for improved strain sensor: fabrication results and optical characterization. Journal of Micromechanics and Microengineering, 2005, 15, S72-S81.	1.5	17
14	Far-infrared sensor with LPCVD-deposited low-stress Si-rich nitride absorber membrane. Sensors and Actuators A: Physical, 2009, 152, 126-138.	2.0	17
15	Textile-based Micro Electro Mechanical System (MEMS) Accelerometer for Pelvic Tilt Measurement. Procedia Engineering, 2012, 41, 532-537.	1.2	15
16	MWCNT/Cotton-based flexible electrode for electrocardiography. , 2013, , .		15
17	Optimization of Reduced GO-Based Cotton Electrodes for Wearable Electrocardiography. IEEE Sensors Journal, 2020, 20, 7774-7782.	2.4	12
18	Far-infrared sensor with LPCVD-deposited low-stress Si-rich nitride absorber membrane—Part 1. Optical absorptivity. Sensors and Actuators A: Physical, 2009, 152, 119-125.	2.0	11

#	ARTICLE	IF	CITATIONS
19	Monitoring degradation products and metal ions in vivo. , 2017, , 19-44.		9
20	Monitoring magnesium degradation using microdialysis and fabric-based biosensors. Science China Materials, 2018, 61, 643-651.	3.5	7
21	A proposed mechanism of action of textile/ Al_2O_3 - TiO_2 bimetal oxide nanocomposite as an antimicrobial agent. Journal of the Textile Institute, 2019, 110, 791-798.	1.0	7
22	Cotton Thread for Size-Based Blood Cells Sorting. Advanced Materials Research, 2015, 1112, 437-440.	0.3	4
23	Preliminary study on graphene/metal oxide nanoparticles-coated cotton fabrics for flexible gas sensor. AIP Conference Proceedings, 2018, , .	0.3	4
24	Physical and electrochemical appraisal of cotton textile modified with polypyrrole and graphene/reduced graphene oxide for flexible electrode. Journal of the Textile Institute, 2021, 112, 646-658.	1.0	4
25	On-chip biosensing of estrogen receptor- α at single molecular level. Biosensors and Bioelectronics, 2004, 19, 1573-1579.	5.3	3
26	Bio-inspired dome-shape SiO_2/SiN membrane as strain-amplifying transducer. Procedia Chemistry, 2009, 1, 770-773.	0.7	3
27	Micro-optics assembly in dental drill as a platform for imaging and sensing during surgical drilling. , 2010, , .		3
28	Proprioceptive sensing system for therapy assessment using textile-based biomedical Micro Electro Mechanical System (MEMS). , 2012, , .		3
29	Hybrid flexible circuit on cotton fabric for wearable electrocardiogram monitoring. , 2017, , .		3
30	Portable Tools for COVID-19 Point-of-Care Detection: A Review. IEEE Sensors Journal, 2021, 21, 1-1.	2.4	3
31	Fly's proprioception-inspired micromachined strain-sensing structure: idea, design, modeling and simulation, and comparison with experimental results. Journal of Physics: Conference Series, 2006, 34, 336-341.	0.3	2
32	Comparison of two sagittal pelvic tilt measurement protocols using newly calibrated novel pelvic sensor. , 2011, , .		2
33	<title>Simple optical characterisation for biomimetic micromachined silicon strain-sensing structure</title>. , 2005, 5852, 788.		1
34	Silver nanoparticles stamping for the production of fabrics-based bio-MEMS. , 2013, , .		1
35	The effect of processing parameters on the performance of cotton-fabric-based MEMS fabricated using stamped silver nanoparticles. , 2014, , .		1
36	A preliminary study on the properties of a flexible circuit for wearable electrocardiography (ECG). , 2014, , .		1

#	ARTICLE	IF	CITATIONS
37	Graphene-Based Flexible Circuit on Cotton Fabric Using Wax Patterning Method. Advanced Materials Research, 2015, 1112, 98-101.	0.3	1
38	Biomimetics: Learning From Nature To Make Better Sensors. ECS Transactions, 2009, 23, 193-202.	0.3	0
39	Time-domain Optical Coherence Tomography system with integrated delay line for surgical guidance applications. , 2010, 2010, 3017-20.		0
40	High-gain pre-transduction strain amplification inspired from the dome shape structure of insect campaniform sensillum. , 2013, , .		0