

HÃœseyÄ°n Avci

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,440
citations

686830

13
h-index

395343

33
g-index

35
all docs

35
docs citations

35
times ranked

2287
citing authors

#	ARTICLE	IF	CITATIONS
1	An electrochemical biosensor with integrated microheater to improve the sensitivity of electrochemical nucleic acid biosensors. <i>Journal of Micromechanics and Microengineering</i> , 2022, 32, 045008.	1.5	2
2	A fully integrated rapid on-chip antibiotic susceptibility test – A case study for <i>Mycobacterium smegmatis</i> . <i>Sensors and Actuators A: Physical</i> , 2022, 339, 113515.	2.0	7
3	Electrochemical Investigation of Gold Based Screen Printed Electrodes: An Application for a Seafood Toxin Detection. <i>Electroanalysis</i> , 2021, 33, 1033-1048.	1.5	9
4	Tissue adhesives: From research to clinical translation. <i>Nano Today</i> , 2021, 36, 101049.	6.2	90
5	Investigation of the Effect of Channel Structure and Flow Rate on On-Chip Bacterial Lysis. <i>IEEE Transactions on Nanobioscience</i> , 2021, 20, 86-91.	2.2	8
6	On-chip label-free impedance-based detection of antibiotic permeation. <i>IET Nanobiotechnology</i> , 2021, 15, 100-106.	1.9	7
7	Current Strategies for the Regeneration of Skeletal Muscle Tissue. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5929.	1.8	29
8	Determination of therapeutic agents efficiencies of microsatellite instability high colon cancer cells in post-metastatic liver biochip modeling. <i>FASEB Journal</i> , 2021, 35, e21834.	0.2	2
9	Electrochemical-based –antibiotsensor™ for the whole-cell detection of the vancomycin-susceptible bacteria. <i>Talanta</i> , 2021, 234, 122695.	2.9	16
10	Customizable Composite Fibers for Engineering Skeletal Muscle Models. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1112-1123.	2.6	29
11	Label-free molecular detection of antibiotic susceptibility for <i>Mycobacterium smegmatis</i> using a low cost electrode format. <i>Biotechnology and Applied Biochemistry</i> , 2020, , .	1.4	8
12	Self-assembled fibrillar polyethylene crystals with tunable properties. <i>Polymer Engineering and Science</i> , 2020, 60, 2176-2189.	1.5	2
13	Biologically modified microelectrode sensors provide enhanced sensitivity for detection of nucleic acid sequences from <i>Mycobacterium tuberculosis</i> . <i>Sensors and Actuators Reports</i> , 2020, 2, 100008.	2.3	15
14	Flexible poly(styrene-ethylene-butadiene-styrene) hybrid nanofibers for bioengineering and water filtration applications. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49184.	1.3	13
15	Decellularized inner body membranes for tissue engineering: A review. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 1287-1368.	1.9	13
16	Impedance testing of porous Si ₃ N ₄ scaffolds for skeletal implant applications. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	5
17	Synergistic effects of plant extracts and polymers on structural and antibacterial properties for wound healing. <i>Polymer Bulletin</i> , 2019, 76, 3709-3731.	1.7	17
18	Fabrication of Nanopores in an Ultra-Thin Polyimide Membrane for Biomolecule Sensing. <i>IEEE Sensors Journal</i> , 2018, 18, 2641-2646.	2.4	13

#	ARTICLE	IF	CITATIONS
19	Preparation of organum minutiflorum oil-loaded core-shell structured chitosan nanofibers with tunable properties. <i>Polymer Bulletin</i> , 2018, 75, 4129-4144.	1.7	13
20	A Review of Cellulose and Cellulose Blends for Preparation of Bio-derived and Conventional Membranes, Nanostructured Thin Films, and Composites. <i>Polymer Reviews</i> , 2018, 58, 102-163.	5.3	67
21	Rapid prototyping of whole-thermoplastic microfluidics with built-in microvalves using laser ablation and thermal fusion bonding. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 100-109.	4.0	104
22	Cell-laden composite suture threads for repairing damaged tendons. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1039-1048.	1.3	25
23	Reversible Redox Activity by Ion-pH Dually Modulated Duplex Formation of i-Motif DNA with Complementary G-DNA. <i>Nanomaterials</i> , 2018, 8, 226.	1.9	3
24	Multisensor-integrated organs-on-chips platform for automated and continual in situ monitoring of organoid behaviors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2293-E2302.	3.3	570
25	Label-Free and Regenerative Electrochemical Microfluidic Biosensors for Continual Monitoring of Cell Secretomes. <i>Advanced Science</i> , 2017, 4, 1600522.	5.6	131
26	Biosensors: Label-Free and Regenerative Electrochemical Microfluidic Biosensors for Continual Monitoring of Cell Secretomes (<i>Adv. Sci.</i> 5/2017). <i>Advanced Science</i> , 2017, 4, .	5.6	3
27	Development of high-tenacity, high-modulus poly(ethylene terephthalate) filaments via a next generation wet-melt-spinning process. <i>Polymer Engineering and Science</i> , 2017, 57, 224-230.	1.5	10
28	Aptamer-Based Microfluidic Electrochemical Biosensor for Monitoring Cell-Secreted Trace Cardiac Biomarkers. <i>Analytical Chemistry</i> , 2016, 88, 10019-10027.	3.2	181
29	Photophysical properties of phosphorescent elastomeric composite nanofibers. <i>Dyes and Pigments</i> , 2016, 125, 95-99.	2.0	8
30	Controlling of threadline dynamics via a novel method to develop ultra-high performance polypropylene filaments. <i>Polymer Engineering and Science</i> , 2015, 55, 327-339.	1.5	6
31	High-performance filaments by melt spinning low viscosity nylon 6 using horizontal isothermal bath process. <i>Polymer Engineering and Science</i> , 2015, 55, 2457-2464.	1.5	11
32	Highly crystalline and oriented high-strength poly(ethylene terephthalate) fibers by using low molecular weight polymer. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	4
33	Characterization of degradation of polypropylene nonwovens irradiated by γ -ray. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	18
34	DESIGN ALGINATE BASED BLENDS FOR LIVING COMPOSITE FIBERS TO PROMOTE WOUND HEALING. <i>Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering</i> , 0, .	0.4	0
35	INVESTIGATION OF 3D CULTURE OF HUMAN ADIPOSE TISSUE-DERIVED MESENCHYMAL STEM CELLS IN A MICROFLUIDIC PLATFORM. <i>Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering</i> , 0, .	0.4	1