Daewoo Han

List of Publications by Year
in descending order

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33 papers	1,519 citations	361413 20 h-index	454955 30 g-index
35 all docs	35 docs citations	35 times ranked	2241 citing authors

#	Article	IF	Citations
1	Superhydrophobic and Oleophobic Fibers by Coaxial Electrospinning. Langmuir, 2009, 25, 9454-9462.	3.5	293
2	Triaxial Electrospun Nanofiber Membranes for Controlled Dual Release of Functional Molecules. ACS Applied Materials & Interfaces, 2013, 5, 8241-8245.	8.0	185
3	Coaxial Electrospinning Formation of Complex Polymer Fibers and their Applications. ChemPlusChem, 2019, 84, 1453-1497.	2.8	182
4	Long-term antimicrobial effect of nisin released from electrospun triaxial fiber membranes. Acta Biomaterialia, 2017, 53, 242-249.	8.3	114
5	Blood coagulation screening using a paper-based microfluidic lateral flow device. Lab on A Chip, 2014, 14, 4035-4041.	6.0	101
6	Aptamer-Based Lateral Flow Biosensor for Rapid Detection of Salivary Cortisol. ACS Omega, 2020, 5, 32890-32898.	3.5	83
7	Electrospun Carbon Nanofiber Modified Electrodes for Stripping Voltammetry. Analytical Chemistry, 2015, 87, 9315-9321.	6.5	70
8	Stimuli-Responsive Self-Immolative Polymer Nanofiber Membranes Formed by Coaxial Electrospinning. ACS Applied Materials & Interfaces, 2017, 9, 11858-11865.	8.0	55
9	Deactivating Chemical Agents Using Enzyme-Coated Nanofibers Formed by Electrospinning. ACS Applied Materials & Interfaces, 2011, 3, 4633-4639.	8.0	45
10	Selective pH-Responsive Coreâ€“Sheath Nanofiber Membranes for Chem/Bio/Med Applications: Targeted Delivery of Functional Molecules. ACS Applied Materials & Interfaces, 2017, 9, 42653-42660.	8.0	42
11	Multi-layered core-sheath fiber membranes for controlled drug release in the local treatment of brain tumor. Scientific Reports, 2019, 9, 17936.	3.3	38
12	Microbial Powerâ€Generating Capabilities on Microâ€/Nanoâ€Structured Anodes in Microâ€Sized Microbial Fuel Cells. Fuel Cells, 2014, 14, 801-809.	2.4	36
13	Self-inflating floating nanofiber membranes for controlled drug delivery. International Journal of Pharmaceutics, 2020, 579, 119164.	5.2	34
14	Enhanced Performance of Microâ€Electroâ€Mechanicalâ€Systems (MEMS) Microbial Fuel Cells Using Electrospun Microfibrous Anode and Optimizing Operation. Fuel Cells, 2013, 13, 336-341.	2.4	32
15	Absorption of Ethylene on Membranes Containing Potassium Permanganate Loaded into Alumina-Nanoparticle-Incorporated Alumina/Carbon Nanofibers. Journal of Agricultural and Food Chemistry, 2018, 66, 5635-5643.	5.2	32
16	Point-of-care coagulation monitoring: first clinical experience using a paper-based lateral flow diagnosticÂdevice. Biomedical Microdevices, 2017, 19, 64.	2.8	29
17	In-vitro evaluation of MPA-loaded electrospun coaxial fiber membranes for local treatment of glioblastoma tumor cells. Journal of Drug Delivery Science and Technology, 2017, 40, 45-50.	3.0	27
18	Immunoassay on Free-Standing Electrospun Membranes. ACS Applied Materials & Interfaces, 2010, 2, 252-258.	8.0	26

#	Article	IF	Citations
19	Flow reproducibility of whole blood and other bodily fluids in simplified no reaction lateral flow assay devices. Biomicrofluidics, 2017, 11, 024116.	2.4	25
20	Versatile Core-Sheath Biofibers using Coaxial Electrospinning. Materials Research Society Symposia Proceedings, 2008, 1094, 1.	0.1	23
21	Correcting the effect of hematocrit in whole blood coagulation analysis on paper-based lateral flow device. Analytical Methods, 2018, 10, 2869-2874.	2.7	12
22	In vitro and inÂvivo evaluation of microneedles coated with electrosprayed micro/nanoparticles for medical skin treatments. Journal of Microencapsulation, 2020, 37, 517-527.	2.8	8
23	Controlled drug release of parylene-coated pramipexole nanofibers for transdermal applications. Surface and Coatings Technology, 2021, 409, 126831.	4.8	7
24	Engineering a simple lateral flow device for animal blood coagulation monitoring. Biomicrofluidics, 2018, 12, 014110.	2.4	6
25	Magnetic Particles as Liquid Carriers in the Microfluidic Lab-in-Tube Approach To Detect Phase Change. ACS Applied Materials & Interfaces, 2014, 6, 8066-8072.	8.0	5
26	Electrospinning of cyanoacrylate tissue adhesives for human dural repair in endonasal surgery. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 660-667.	3.4	4
27	Urine-powered (galvanic) electric cell and sensor on paper substrate. Flexible and Printed Electronics, 2016, 1, 044002.	2.7	2
28	Unidirectional self-patterning of CaF2 nanorod arrays using capillary pressure. Journal of Materials Research, 2011, 26, 223-229.	2.6	1
29	Development of Point-of-Care Lateral Flow Assay Devices for Salivary Endotoxin Detection. ECS Meeting Abstracts, 2021, MA2021-01, 1392-1392.	0.0	1
30	Electrospun Biopolymer-Based Micro/Nanofibers. , 2008, , .		0
31	Phase Diagram Characterization Using Magnetic Beads as Liquid Carriers. Journal of Visualized Experiments, 2015, , .	0.3	0
32	Novel point of care strategies for biomarker detection. , 2020, , .		0
33	Universal Bacterial Detection Utilizing PEDOT:PSS-Based Organic Electrochemical Transistors. ECS Meeting Abstracts, 2021, MA2021-01, 1416-1416.	0.0	0