

Han Seong Kim

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

401
citations

759055

12
h-index

794469

19
g-index

29
all docs

29
docs citations

29
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	Insertion of Dye-Sensitized Solar Cells in Textiles using a Conventional Weaving Process. Scientific Reports, 2015, 5, 11022.	1.6	55
2	Application of Various Metal-Organic Frameworks (MOFs) as Catalysts for Air and Water Pollution Environmental Remediation. Catalysts, 2020, 10, 195.	1.6	35
3	Electrospinning Mechanism for Producing Nanoscale Polymer Fibers. Journal of Macromolecular Science - Physics, 2010, 49, 122-131.	0.4	33
4	Relationship between fiber orientation distribution function and mechanical anisotropy of thermally point-bonded nonwovens. Fibers and Polymers, 2004, 5, 177-181.	1.1	26
5	Nanofiber deposition by electroblowing of PVA (polyvinyl alcohol). Journal of Materials Science, 2009, 44, 1107-1112.	1.7	24
6	Objective wrinkle evaluation system of fabrics based on 2D FFT. Fibers and Polymers, 2009, 10, 260-265.	1.1	24
7	Highly flexible all-nonwoven piezoelectric generators based on electrospun poly(vinylidene fluoride)/poly(vinyl alcohol) nanofibers. Journal of Materials Science: Materials in Electronics, 2015, 26, 107-112.	2.0	21
8	Monolithic-Structured Single-Layered Textile-Based Dye-Sensitized Solar Cells. Scientific Reports, 2016, 6, 34249.	1.6	20
9	Structural deformation of PVDF nanoweb due to electrospinning behavior affected by solvent ratio. E-Polymers, 2018, 18, 339-345.	1.3	19
10	Orthotropic theory for the prediction of mechanical performance in thermally point-bonded nonwovens. Fibers and Polymers, 2004, 5, 139-144.	1.1	15
11	High performance and moisture stable humidity sensors based on polyvinylidene fluoride nanofibers by improving electric conductivity. Polymer Engineering and Science, 2019, 59, 304-310.	1.5	14
12	Float printing deposition to control the morphology of TiO ₂ photoanodes on woven textile metal substrates for TCO-free flexible dye-sensitized solar cells. RSC Advances, 2016, 6, 67331-67339.	1.7	13
13	Thermal insulation property of graphene/polymer coated textile based multi-layer fabric heating element with aramid fabric. Scientific Reports, 2020, 10, 17586.	1.6	12
14	Mechanism of Electrospinning for Poly(amic acid)/Polyacrylonitrile Fiber Fabrication. Journal of Macromolecular Science - Physics, 2018, 57, 222-230.	0.4	11
15	Fabrication of capacitive yarn torsion sensors based on an electrospinning coating method. Polymer International, 2019, 68, 1921-1927.	1.6	11
16	Dioxinohydroeckol Enhances the Differentiation of Osteoblasts by Regulating the Expression of Phospho-Smad1/5/8. Marine Drugs, 2016, 14, 168.	2.2	10
17	Effects of SWCNT/PVDF composite web behavior on acoustic piezoelectric property. Sensors and Actuators A: Physical, 2021, 330, 112840.	2.0	10
18	Fabrication of superabsorbent nanofibers based on sodium polyacrylate/poly(vinyl alcohol) and their water absorption characteristics. Polymer International, 2019, 68, 764-771.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Effect of molecular weight on humidity-sensitive characteristics of electrospun polyethylene oxide. <i>Sensors and Actuators A: Physical</i> , 2019, 294, 194-202.	2.0	9
20	Electrospinning Instabilities in the Drop Formation and Multi-Jet Ejection Part II: Various Nozzle Diameters for PVA (Polyvinyl Alcohol) Polymer Solution. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 528-539.	0.4	7
21	Anisotropy in structure and mechanical properties of perpendicular-laid nonwovens. <i>Journal of Materials Science</i> , 2008, 43, 2754-2760.	1.7	6
22	Temperature-Dependent Evolution of Poly(3-hexylthiophene) Type H Phase in a Blended Thin Film. <i>Macromolecular Rapid Communications</i> , 2016, 37, 203-208.	2.0	5
23	Observation of Electrospinning Behavior of Nanoscale Fibers by a High-Speed Camera. <i>Journal of Macromolecular Science - Physics</i> , 2016, 55, 201-210.	0.4	3
24	Compressional fatigue behaviors of air and mechanical folding nonwoven fabrics. <i>Fibers and Polymers</i> , 2008, 9, 203-209.	1.1	2
25	Poly(vinyl alcohol) coating on copper filament via electrospinning. <i>Polymer International</i> , 2017, 66, 1949-1953.	1.6	2
26	Effect of Poly(dimethylsiloxane) Content on the Properties of Water-Borne Poly(urethane-urea)s Containing MDI. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 2843-2856.	1.4	0
27	Macromol. Rapid Commun. 3/2016. <i>Macromolecular Rapid Communications</i> , 2016, 37, 280-280.	2.0	0
28	WRINKLE EVALUATION SYSTEM OF CLOTHES BASED ON 2D FFT., 2007, , .		0