

Seong J Cho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

651
citations

13
h-index

25
g-index

44
ext. papers

785
ext. citations

5.3
avg, IF

4.01
L-index

#	Paper	IF	Citations
38	A pore-size tunable superhydrophobic membrane for high-flux membrane distillation. <i>Journal of Membrane Science</i> , 2022 , 641, 119862	9.6	5
37	Focused Patterning of Electrospun Nanofibers Using a Dielectric Guide Structure. <i>Polymers</i> , 2021 , 13,	4.5	1
36	Humidity-Controllable, High-Throughput, and Portable Nanofibrous Filter Coating System for Improving Air Quality. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2230-2237	5.6	3
35	Preparation of multilayer periodic nanopatterned WO-based photoanode by reverse nanoimprinting for water splitting. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
34	A Rail-Temperature-Prediction Model Based on Machine Learning: Warning of Train-Speed Restrictions Using Weather Forecasting. <i>Sensors</i> , 2021 , 21,	3.8	2
33	Comprehensive Electrokinetic-Assisted Separation of Oil Emulsion with Ultrahigh Flux. <i>ACS Nano</i> , 2021 , 15, 15815-15823	16.7	4
32	Effects of bending strain and crack direction on crack-based strain sensors. <i>Smart Materials and Structures</i> , 2020 , 29, 115007	3.4	4
31	Direct Visualization of Microscale Dynamics of Water Droplets on under-Oil-Hydrophilic Membranes by Using Synchrotron White-Beam X-ray Microimaging Techniques. <i>Langmuir</i> , 2020 , 36, 10548-10554	4.1	1
30	Numerical study on the characteristics of temperature distribution in continuous welded rail by solar radiation and rail orientation. <i>Journal of Mechanical Science and Technology</i> , 2020 , 34, 4819-4829	1.6	2
29	Nano-Cracked Strain Sensor with High Sensitivity and Linearity by Controlling the Crack Arrangement. <i>Sensors</i> , 2019 , 19,	3.8	13
28	A Rail-Temperature-Prediction Model Considering Meteorological Conditions and the Position of the Sun. <i>International Journal of Precision Engineering and Manufacturing</i> , 2019 , 20, 337-346	1.7	6
27	Prediction of a representative point for rail temperature measurement by considering longitudinal deformation. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2019 , 233, 1003-1011	1.4	5
26	Human-mimetic soft robot joint for shock absorption through joint dislocation. <i>Bioinspiration and Biomimetics</i> , 2019 , 15, 016001	2.6	3
25	An underwater superoleophobic nanofibrous cellulosic membrane for oil/water separation with high separation flux and high chemical stability. <i>Nanoscale</i> , 2018 , 10, 3037-3045	7.7	93
24	Macromol. Mater. Eng. 1/2018. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1870002	3.9	
23	Tensile strain-controlled drug delivery system based on a cracked metal structure. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 64-71	8.5	9
22	One-Step Laser Encapsulation of Nano-Cracking Strain Sensors. <i>Sensors</i> , 2018 , 18,	3.8	6

21	The Analysis of Deformation According to the Temperature Distribution in Rail. <i>Korean Society of Hazard Mitigation</i> , 2018 , 18, 33-38	0.2	
20	Fabrication of a Highly Sensitive Stretchable Strain Sensor Utilizing a Microfibrous Membrane and a Cracking Structure on Conducting Polymer. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700389	3.9	18
19	Development of a Waterproof Crack-Based Stretchable Strain Sensor Based on PDMS Shielding. <i>Sensors</i> , 2018 , 18,	3.8	21
18	Omni-Purpose Stretchable Strain Sensor Based on a Highly Dense Nanocracking Structure for Whole-Body Motion Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41712-41721	9.5	52
17	Enhanced cellular distribution and infiltration in a wet electrospun three-dimensional fibrous scaffold using eccentric rotation-based hydrodynamic conditions. <i>Sensors and Actuators B: Chemical</i> , 2016 , 226, 357-363	8.5	7
16	Development of a Non-contact Liquid Dispenser for High Contents Screening System. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2016 , 40, 581-585	1	
15	Development of an Integrated Evaluation System for a Stretchable Strain Sensor. <i>Sensors</i> , 2016 , 16,	3.8	7
14	Three-dimensionally designed anti-reflective silicon surfaces for perfect absorption of light. <i>Chemical Communications</i> , 2014 , 50, 15710-3	5.8	15
13	A stretchable humidity sensor based on a wrinkled polyaniline nanostructure. <i>RSC Advances</i> , 2014 , 4, 39767	3.7	32
12	One-step fabrication of superhydrophobic hierarchical structures by femtosecond laser ablation. <i>Applied Surface Science</i> , 2014 , 313, 411-417	6.7	69
11	Tunable ionic transport for a triangular nanochannel in a polymeric nanofluidic system. <i>ACS Nano</i> , 2013 , 7, 740-7	16.7	66
10	A Rubberlike Stretchable Fibrous Membrane with Anti-Wettability and Gas Breathability. <i>Advanced Functional Materials</i> , 2013 , 23, 5577-5584	15.6	78
9	One-Step Fabrication of Hierarchically Structured Silicon Surfaces and Modification of Their Morphologies Using Sacrificial Layers. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-8	3.2	1
8	Hierarchical Nanostructures: A Rubberlike Stretchable Fibrous Membrane with Anti-Wettability and Gas Breathability (Adv. Funct. Mater. 45/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 5576-5576	15.6	1
7	Optical switching patterns using electrospun nanofiber array. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012 , 6, 409-411	2.5	4
6	Fabrication of conducting polymer micro/nanostructures coated with Au nanoparticles for electrochemical sensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 4975-8	1.3	7
5	Replicable and shape-controllable fabrication of electrospun fibrous scaffolds for tissue engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 9047-50	1.3	4
4	Superhydrophobic nanostructured silicon surfaces with controllable broadband reflectance. <i>Chemical Communications</i> , 2011 , 47, 6108-10	5.8	35

- 3 Preparation of stable superhydrophobic mesh with a biomimetic hierarchical structure. *Soft Matter*, **2011**, 7, 9867 3.6 39
- 2 Replicable multilayered nanofibrous patterns on a flexible film. *Langmuir*, **2010**, 26, 14395-9 4 32
- 1 Bio-molecules detection sensor using silicon nanowire **2009**, 2