Hyun-U Ko

List of Publications by Year
in descending order

18 papers	650 citations	623188 14 h-index	887659 17 g-index
18 all docs	18 docs citations	18 times ranked	1064 citing authors

#	Article	IF	Citations
1	Review of Soft Actuator Materials. International Journal of Precision Engineering and Manufacturing, 2019, 20, 2221-2241.	1.1	122
2	Swelling Behavior of Polyacrylamideâ€“Cellulose Nanocrystal Hydrogels: Swelling Kinetics, Temperature, and pH Effects. Materials, 2019, 12, 2080.	1.3	80
3	Preparation of cellulose-ZnO hybrid films by a wet chemical method and their characterization. Cellulose, 2011, 18, 675-680.	2.4	59
4	Electroactive Hydrogels Made with Polyvinyl Alcohol/Cellulose Nanocrystals. Materials, 2018, 11, 1615.	1.3	53
5	Preparation and characterization of hydrogels from polyvinyl alcohol and cellulose and their electroactive behavior. Soft Materials, 2017, 15, 64-72.	0.8	50
6	Flexible cellulose and ZnO hybrid nanocomposite and its UV sensing characteristics. Science and Technology of Advanced Materials, 2017, 18, 437-446.	2.8	40
7	Review of microwave assisted manufacturing technologies. International Journal of Precision Engineering and Manufacturing, 2012, 13, 2263-2272.	1.1	39
8	Fabrication of Cellulose ZnO Hybrid Nanocomposite and Its Strain Sensing Behavior. Materials, 2014, 7, 7000-7009.	1.3	34
9	Poly(acrylic acid)-Poly(vinyl alcohol) hydrogels for reconfigurable lens actuators. International Journal of Precision Engineering and Manufacturing - Green Technology, 2016, 3, 375-379.	2.7	30
10	Perspective and potential of smart optical materials. Smart Materials and Structures, 2017, 26, 093001.	1.8	26
11	Poly(vinyl alcohol)â€“lignin blended resin for celluloseâ€based composites. Journal of Applied Polymer Science, 2018, 135, 46655.	1.3	23
12	Esterified PVAâ€lignin resin by maleic acid applicable for natural fiber reinforced composites. Journal of Applied Polymer Science, 2020, 137, 48836.	1.3	23
13	Electroactive and Optically Adaptive Bionanocomposite for Reconfigurable Microlens. Journal of Physical Chemistry B, 2016, 120, 4699-4705.	1.2	19
14	Transparent and semi-interpenetrating network P(vinyl alcohol)- P(Acrylic acid) hydrogels: pH responsive and electroactive application. International Journal of Smart and Nano Materials, 2017, 8, 80-94.	2.0	17
15	Transparent and flexible haptic actuator based on cellulose acetate stacked membranes. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1479-1485.	1.1	13
16	Preparation and characterization of Cellulose-ZnO nanolayer film by blending method. Macromolecular Research, 2015, 23, 814-818.	1.0	13
17	Fabrication Method Study of ZnO Nanocoated Cellulose Film and Its Piezoelectric Property. Materials, 2017, 10, 611.	1.3	9
18	A Review: All Solid-state Electroactive Polymer-based Tunable Lens. The Journal of Korea Robotics Society, 2021, 16, 41-48.	0.2	0