

Ruth Mwangeli Muthoka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10257789/publications.pdf>

Version: 2024-02-01

15
papers

300
citations

1306789

7
h-index

1281420

11
g-index

16
all docs

16
docs citations

16
times ranked

427
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	Electroactive Hydrogels Made with Polyvinyl Alcohol/Cellulose Nanocrystals. Materials, 2018, 11, 1615.	1.3	53
3	All-biobased transparent-wood: A new approach and its environmental-friendly packaging application. Carbohydrate Polymers, 2021, 264, 118012.	5.1	32
4	Aligned cellulose nanofiber composite made with electrospinning of cellulose nanofiber - Polyvinyl alcohol and its vibration energy harvesting. Composites Science and Technology, 2021, 209, 108795.	3.8	31
5	Steered Pull Simulation to Determine Nanomechanical Properties of Cellulose Nanofiber. Materials, 2020, 13, 710.	1.3	20
6	Modulation of interfacial interactions toward strong and tough cellulose nanofiber-based transparent thin films with antifogging feature. Carbohydrate Polymers, 2022, 278, 118974.	5.1	13
7	Polydopamine-cellulose nanofiber composite for flexible electrode material. Smart Materials and Structures, 2021, 30, 035025.	1.8	8
8	Electric field-assisted wet spinning to fabricate strong, tough, and continuous nanocellulose long fibers. Cellulose, 2022, 29, 3499-3511.	2.4	8
9	Rheology Design and Experimental Test of Roll-to-Roll Process for Electroactive Cellulose Film. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1377-1384.	1.1	5
10	Environment-Friendly Zinc Oxide Nanorods-Grown Cellulose Nanofiber Nanocomposite and Its Electromechanical and UV Sensing Behaviors. Nanomaterials, 2021, 11, 1419.	1.9	5
11	Molecular Dynamics Study of Cellulose Nanofiber Alignment under an Electric Field. Polymers, 2022, 14, 1925.	2.0	2
12	Atomistic molecular dynamics study to investigate thermal response of cellulose nanofibrils using GROMACS. , 2018, , .		1
13	Young's moduli of cellulose nanofibers measured by atomic force microscopy. , 2018, , .		0
14	Molecular dynamic simulation of cellulose nanofiber to determine its nano-mechanical properties. , 2019, , .		0
15	Polydopamine-nanocellulose nanocomposites: physical and electrical properties for biomedical electrodes. , 2019, , .		0