

Ruth Mwangeli Muthoka

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

300
citations

1306789

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1281420

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16
docs citations

16
times ranked

427
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of interfacial interactions toward strong and tough cellulose nanofiber-based transparent thin films with antifogging feature. <i>Carbohydrate Polymers</i> , 2022, 278, 118974.	5.1	13
2	Electric field-assisted wet spinning to fabricate strong, tough, and continuous nanocellulose long fibers. <i>Cellulose</i> , 2022, 29, 3499-3511.	2.4	8
3	Molecular Dynamics Study of Cellulose Nanofiber Alignment under an Electric Field. <i>Polymers</i> , 2022, 14, 1925.	2.0	2
4	Polydopamine-cellulose nanofiber composite for flexible electrode material. <i>Smart Materials and Structures</i> , 2021, 30, 035025.	1.8	8
5	Environment-Friendly Zinc Oxide Nanorods-Grown Cellulose Nanofiber Nanocomposite and Its Electromechanical and UV Sensing Behaviors. <i>Nanomaterials</i> , 2021, 11, 1419.	1.9	5
6	Aligned cellulose nanofiber composite made with electrospinning of cellulose nanofiber - Polyvinyl alcohol and its vibration energy harvesting. <i>Composites Science and Technology</i> , 2021, 209, 108795.	3.8	31
7	All-biobased transparent-wood: A new approach and its environmental-friendly packaging application. <i>Carbohydrate Polymers</i> , 2021, 264, 118012.	5.1	32
8	Steered Pull Simulation to Determine Nanomechanical Properties of Cellulose Nanofiber. <i>Materials</i> , 2020, 13, 710.	1.3	20
9	Review of Soft Actuator Materials. <i>International Journal of Precision Engineering and Manufacturing</i> , 2019, 20, 2221-2241.	1.1	122
10	Molecular dynamic simulation of cellulose nanofiber to determine its nano-mechanical properties. , 2019, , .		0
11	Polydopamine-nanocellulose nanocomposites: physical and electrical properties for biomedical electrodes. , 2019, , .		0
12	Rheology Design and Experimental Test of Roll-to-Roll Process for Electroactive Cellulose Film. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 1377-1384.	1.1	5
13	Electroactive Hydrogels Made with Polyvinyl Alcohol/Cellulose Nanocrystals. <i>Materials</i> , 2018, 11, 1615.	1.3	53
14	Atomistic molecular dynamics study to investigate thermal response of cellulose nanofibrils using GROMACS. , 2018, , .		1
15	Young's moduli of cellulose nanofibers measured by atomic force microscopy. , 2018, , .		0