

Tyler J Cuthbert

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

391
citations

758635

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996533

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17
docs citations

17
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Surprising Antibacterial Activity and Selectivity of Hydrophilic Polyphosphoniums Featuring Sugar and Hydroxy Substituents. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12707-12710.	7.2	73
2	Hydrogels as Soft Ionic Conductors in Flexible and Wearable Triboelectric Nanogenerators. <i>Advanced Science</i> , 2022, 9, e2106008.	5.6	48
3	Self-Healing Polyphosphonium Ionic Networks. <i>Macromolecules</i> , 2017, 50, 5253-5260.	2.2	37
4	Lower Body Kinematics Monitoring in Running Using Fabric-Based Wearable Sensors and Deep Convolutional Neural Networks. <i>Sensors</i> , 2019, 19, 5325.	2.1	33
5	Synthesis, properties, and antibacterial activity of polyphosphonium semi-interpenetrating networks. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4872-4883.	2.9	31
6	Textile-Based Inductive Soft Strain Sensors for Fast Frequency Movement and Their Application in Wearable Devices Measuring Multiaxial Hip Joint Angles during Running. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900165.	3.3	26
7	Contact active antibacterial phosphonium coatings cured with UV light. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1474-1478.	2.9	24
8	Application-Based Production and Testing of a Core-Sheath Fiber Strain Sensor for Wearable Electronics: Feasibility Study of Using the Sensors in Measuring Tri-Axial Trunk Motion Angles. <i>Sensors</i> , 2019, 19, 4288.	2.1	22
9	Structure of the Thermally Induced Cross-Link in <i>C</i> -Linked Methyl Ester-Functionalized Polydicyclopentadiene (<i>f</i> -PDCPD). <i>Macromolecules</i> , 2018, 51, 2038-2047.	2.2	21
10	Fatigue Monitoring in Running Using Flexible Textile Wearable Sensors. <i>Sensors</i> , 2020, 20, 5573.	2.1	20
11	Conductive Thermoplastic Elastomer Composite Capacitive Strain Sensors and Their Application in a Wearable Device for Quantitative Joint Angle Prediction. <i>ACS Applied Polymer Materials</i> , 2021, 3, 122-129.	2.0	20
12	Synthesis and Characterization of a Family of Air-Stable Ferrocene- and Ruthenocene-Containing Primary, Secondary, and Tertiary Phosphines. <i>Organometallics</i> , 2015, 34, 4272-4280.	1.1	13
13	Production and Dynamic Mechanical Analysis of Macro-Scale Functionalized Polydicyclopentadiene Objects Facilitated by Rational Synthesis and Reaction Injection Molding. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2460-2471.	2.0	9
14	Understanding the Impact of Machine Learning Models on the Performance of Different Flexible Strain Sensor Modalities. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	9
15	Harnessing the surface chemistry of methyl ester functionalized polydicyclopentadiene and exploring surface bioactivity. <i>Materials Advances</i> , 2020, 1, 1753-1762.	2.6	4