

Jarrkko Tolvanen

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

411
citations

1040056

9
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

650
citing authors

#	ARTICLE	IF	CITATIONS
1	Lightweight Hierarchical Carbon Nanocomposites with Highly Efficient and Tunable Electromagnetic Interference Shielding Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19331-19338.	8.0	105
2	Stretchable and Washable Strain Sensor Based on Cracking Structure for Human Motion Monitoring. <i>Scientific Reports</i> , 2018, 8, 13241.	3.3	101
3	Biodegradable multiphase poly(lactic acid)/biochar/graphite composites for electromagnetic interference shielding. <i>Composites Science and Technology</i> , 2019, 181, 107704.	7.8	55
4	Hybrid Foam Pressure Sensor Utilizing Piezoresistive and Capacitive Sensing Mechanisms. <i>IEEE Sensors Journal</i> , 2017, 17, 4735-4746.	4.7	49
5	Bioplastics and Carbon-Based Sustainable Materials, Components, and Devices: Toward Green Electronics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49301-49312.	8.0	27
6	All-Around Universal and Photoelastic Self-Healing Elastomer with High Toughness and Resilience. <i>Advanced Science</i> , 2021, 8, e2103235.	11.2	19
7	Piezoelectric Flexible LCP/PZT Composites for Sensor Applications at Elevated Temperatures. <i>Electronic Materials Letters</i> , 2018, 14, 113-123.	2.2	17
8	Stretchable Sensors with Tunability and Single Stimuli-Responsiveness through Resistivity Switching Under Compressive Stress. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14433-14442.	8.0	12
9	A Non-Invasive Method for Hydration Status Measurement With a Microwave Sensor Using Skin Phantoms. <i>IEEE Sensors Journal</i> , 2020, 20, 1095-1104.	4.7	10
10	Dielectric properties of novel polyurethane/PZT/graphite foam composites. <i>Smart Materials and Structures</i> , 2016, 25, 095039.	3.5	9
11	Kirigami-inspired dual-parameter tactile sensor with ultrahigh sensitivity, multimodal and strain-insensitive features. <i>Flexible and Printed Electronics</i> , 2021, 6, 034005.	2.7	4
12	Screen-printed mechanical switch based on stretchable PU foam film. <i>Electronics Letters</i> , 2016, 52, 1395-1397.	1.0	3