

Muhammad Khatib

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

497
citations

11
h-index

22
g-index

26
ext. papers

761
ext. citations

17.5
avg, IF

4.51
L-index

#	Paper	IF	Citations
24	Disease Detection with Molecular Biomarkers: From Chemistry of Body Fluids to Nature-Inspired Chemical Sensors. <i>Chemical Reviews</i> , 2019 , 119, 11761-11817	68.1	134
23	Highly Efficient and Water-Insensitive Self-Healing Elastomer for Wet and Underwater Electronics. <i>Advanced Functional Materials</i> , 2020 , 30, 1910196	15.6	59
22	A Multifunctional Electronic Skin Empowered with Damage Mapping and Autonomic Acceleration of Self-Healing in Designated Locations. <i>Advanced Materials</i> , 2020 , 32, e2000246	24	53
21	Self-Healing Soft Sensors: From Material Design to Implementation. <i>Advanced Materials</i> , 2021 , 33, e2004190	19.0	35
20	Time-space-resolved origami hierarchical electronics for ultrasensitive detection of physical and chemical stimuli. <i>Nature Communications</i> , 2019 , 10, 1120	17.4	32
19	A Freestanding Stretchable and Multifunctional Transistor with Intrinsic Self-Healing Properties of all Device Components. <i>Small</i> , 2019 , 15, e1803939	11	31
18	Composites of Polymer and Carbon Nanostructures for Self-Healing Chemical Sensors. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600187	6.8	30
17	Self-Healable Materials for Underwater Applications. <i>Advanced Materials Technologies</i> , 2019 , 4, 19000816.8	16.8	21
16	Highly Efficient Self-Healing Multifunctional Dressing with Antibacterial Activity for Sutureless Wound Closure and Infected Wound Monitoring. <i>Advanced Materials</i> , 2021 , e2106842	24	21
15	Chemically Modified Polyaniline for the Detection of Volatile Biomarkers of Minimal Sensitivity to Humidity and Bending. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800232	10.1	15
14	Organic Transistor Based on Cyclopentadithiophene-Benzothiadiazole Donor-Acceptor Copolymer for the Detection and Discrimination between Multiple Structural Isomers. <i>Advanced Functional Materials</i> , 2019 , 29, 1808188	15.6	12
13	Biointerfaced sensors for biodiagnostics. <i>View</i> , 2021 , 2, 20200172	7.8	9
12	Stretchable and Highly Permeable Nanofibrous Sensors for Detecting Complex Human Body Motion. <i>Advanced Materials</i> , 2021 , 33, e2102488	24	9
11	Wearable Microneedle-Based Extended Gate Transistor for Real-Time Detection of Sodium in Interstitial Fluids.. <i>Advanced Materials</i> , 2021 , e2108607	24	6
10	CuS-Carrageenan Composite Grown from the Gel/Liquid Interface. <i>ChemSystemsChem</i> , 2021 , 3, e2000063.1	3.1	6
9	Time-Resolved and Self-Adjusting Hybrid Functional Fabric Sensor for Decoupling Multiple Stimuli from Bending. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900290	6.8	5
8	Versatile nature of anthanthrone based polymers as active multifunctional semiconductors for various organic electronic devices. <i>Materials Advances</i> , 2020 , 1, 3428-3438	3.3	3

7	Self-Healing Soft Sensors: Self-Healing Soft Sensors: From Material Design to Implementation (Adv. Mater. 11/2021). <i>Advanced Materials</i> , 2021 , 33, 2170085	24	2
6	Electronic Skin: A Multifunctional Electronic Skin Empowered with Damage Mapping and Autonomic Acceleration of Self-Healing in Designated Locations (Adv. Mater. 17/2020). <i>Advanced Materials</i> , 2020 , 32, 2070134	24	1
5	Volatile Organic Compounds: Chemically Modified Polyaniline for the Detection of Volatile Biomarkers of Minimal Sensitivity to Humidity and Bending (Adv. Healthcare Mater. 15/2018). <i>Advanced Healthcare Materials</i> , 2018 , 7, 1870059	10.1	1
4	Highly Efficient Self-Healing Multifunctional Dressing with Antibacterial Activity for Sutureless Wound Closure and Infected Wound Monitoring (Adv. Mater. 3/2022). <i>Advanced Materials</i> , 2022 , 34, 2270025	24	1
3	A Wearable Microneedle-Based Extended Gate Transistor for Real-Time Detection of Sodium in Interstitial Fluids (Adv. Mater. 10/2022). <i>Advanced Materials</i> , 2022 , 34, 2270079	24	1
2	Synthesis, characterization, and humidity-responsiveness of guar gum xanthate and its nanocomposite with copper sulfide covellite.. <i>International Journal of Biological Macromolecules</i> , 2022 , 206, 105-114	7.9	1
1	Stretchable and Highly Permeable Nanofibrous Sensors for Detecting Complex Human Body Motion (Adv. Mater. 41/2021). <i>Advanced Materials</i> , 2021 , 33, 2170325	24	0