

Ali Nawaz

List of Publications by Year in descending order

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14
papers

524
citations

933447

10
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic field-effect transistor-based flexible sensors. <i>Chemical Society Reviews</i> , 2020, 49, 3423-3460.	38.1	230
2	Organic Electrochemical Transistors for In Vivo Bioelectronics. <i>Advanced Materials</i> , 2021, 33, e2101874.	21.0	78
3	Edge-driven nanomembrane-based vertical organic transistors showing a multi-sensing capability. <i>Nature Communications</i> , 2020, 11, 841.	12.8	38
4	High mobility organic field-effect transistors based on defect-free regioregular poly(3-hexylthiophene-2,5-diyl). <i>Organic Electronics</i> , 2016, 38, 89-96.	2.6	34
5	Ultra-high mobility in defect-free poly(3-hexylthiophene-2,5-diyl) field-effect transistors through supra-molecular alignment. <i>Organic Electronics</i> , 2017, 51, 94-102.	2.6	26
6	Poly(vinyl alcohol) gate dielectric surface treatment with vitamin C for poly(3-hexylthiophene-2,5-diyl) based field effect transistors performance improvement. <i>Organic Electronics</i> , 2015, 17, 22-27.	2.6	25
7	Poly(vinyl alcohol) gate dielectric in organic field-effect transistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5299-5326.	2.2	23
8	Experimental and modeling study of low-voltage field-effect transistors fabricated with molecularly aligned copolymer floating films. <i>Flexible and Printed Electronics</i> , 2018, 3, 015006.	2.7	15
9	Reorganization Energy upon Controlled Intermolecular Charge Transfer Reactions in Monolithically Integrated Nanodevices. <i>Small</i> , 2021, 17, e2103897.	10.0	15
10	Performance enhancement of poly(3-hexylthiophene-2,5-diyl) based field effect transistors through surfactant treatment of the poly(vinyl alcohol) gate insulator surface. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26530-26534.	2.8	14
11	Polymer-dielectric molecular interactions in defect-free poly(3-hexylthiophene): dependence and consequences of regioregularity on transistor charge transport properties. <i>Semiconductor Science and Technology</i> , 2017, 32, 084003.	2.0	10
12	Modification of the charge transport properties of the copper phthalocyanine/poly(vinyl alcohol) interface using cationic or anionic surfactant for field-effect transistor performance enhancement. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 335104.	2.8	8
13	Poly(Vinyl Alcohol) Gate Dielectric Treated With Anionic Surfactant in C60 Fullerene-Based n-Channel Organic Field Effect Transistors. <i>Materials Research</i> , 2016, 19, 1201-1206.	1.3	5
14	Gate dielectric surface treatments for performance improvement of poly(3-hexylthiophene-2,5-diyl) based organic field-effect transistors. , 2015, , .		3