

Zongbiao Ye

List of Publications by Year in descending order

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28
papers

1,007
citations

623734

14
h-index

642732

23
g-index

28
all docs

28
docs citations

28
times ranked

1434
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced density in a stabilized high-current plasma beam. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 035019.	2.1	1
2	Facile depositing strategy to fabricate a hetero-affinity hybrid film for improving gas-sensing performance. <i>Nanotechnology</i> , 2021, 32, 205502.	2.6	2
3	Investigation into surface composition of nitrogen-doped niobium for superconducting RF cavities. <i>Nanotechnology</i> , 2021, 32, 245701.	2.6	4
4	The investigation of chemical vapor deposited copper-based niobium films. <i>Materials Research Express</i> , 2021, 8, 046402.	1.6	1
5	The Erosion Investigation of Sn-CPS Under High Flux Plasma Environment in SCU-PSI. <i>Journal of Fusion Energy</i> , 2020, 39, 86-91.	1.2	1
6	Evolution of liquid lithium corrosion behavior for CLF-1 steels induced by high-flux helium irradiation. <i>Journal of Nuclear Materials</i> , 2020, 539, 152269.	2.7	5
7	The Investigation of Corrosion Behaviors of Type 316L Stainless Steel in Stagnating Liquid Lithium. <i>Fusion Science and Technology</i> , 2020, 76, 157-162.	1.1	4
8	The investigation of plasma-induced wettability of liquid tin-capillary porous system. <i>Nuclear Materials and Energy</i> , 2019, 20, 100694.	1.3	4
9	The mechanism study of mixed Ar/O ₂ plasma-cleaning treatment on niobium surface for work function improvement. <i>Applied Surface Science</i> , 2019, 475, 143-150.	6.1	16
10	Effective Room-Temperature Ammonia-Sensitive Composite Sensor Based on Graphene Nanoplates and PANI. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, Q3148-Q3152.	1.8	8
11	Enhanced ammonia-sensing properties of PANI-TiO ₂ -Au ternary self-assembly nanocomposite thin film at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 85-95.	7.8	92
12	Excellent ammonia sensing performance of gas sensor based on graphene/titanium dioxide hybrid with improved morphology. <i>Applied Surface Science</i> , 2017, 419, 84-90.	6.1	67
13	Novel p-n heterojunction-type rGO/CeO ₂ bilayer membrane for room-temperature nitrogen dioxide detection. <i>Materials Letters</i> , 2017, 186, 49-52.	2.6	28
14	Wind energy harvesting and self-powered flow rate sensor enabled by contact electrification. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 215601.	2.8	39
15	Novel highly sensitive QCM humidity sensor with low hysteresis based on graphene oxide (GO)/poly(ethyleneimine) layered film. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 145-154.	7.8	146
16	Reduced graphene oxide-polyethylene oxide hybrid films for toluene sensing at room temperature. <i>RSC Advances</i> , 2016, 6, 97840-97847.	3.6	41
17	A facile method to develop novel TiO ₂ /rGO layered film sensor for detecting ammonia at room temperature. <i>Materials Letters</i> , 2016, 165, 127-130.	2.6	49
18	Enhanced humidity-sensing properties of novel graphene oxide/zinc oxide nanoparticles layered thin film QCM sensor. <i>Materials Letters</i> , 2016, 174, 28-31.	2.6	64

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19	Facile development of high performance QCM humidity sensor based on protonated polyethylenimine-graphene oxide nanocomposite thin film. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 501-509.	7.8	81
20	ZnO Nanoparticles/Reduced Graphene Oxide Bilayer Thin Films for Improved NH ₃ -Sensing Performances at Room Temperature. <i>Nanoscale Research Letters</i> , 2016, 11, 130.	5.7	126
21	Room temperature formaldehyde sensor with enhanced performance based on reduced graphene oxide/titanium dioxide. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 149-156.	7.8	130
22	Piezo-phototronic UV photosensing with ZnO nanowires array. , 2015, , .		0
23	The investigation of reduced graphene oxide/titanium dioxide-based sensor for formaldehyde detection at room temperature. , 2015, , .		0
24	Enhancement humidity sensing properties of graphene oxide/Poly(ethyleneimine) film QCM sensors. , 2015, , .		1
25	Thin film transistors gas sensors based on poly(3-hexylthiophene)/Zinc oxide-nanorods composite film for nitrogen dioxide detection. , 2015, , .		0
26	Pâ€P heterojunction sensor of self-assembled polyaniline nano-thin film/microstructure silicon array for NH ₃ detection. <i>Chemical Physics Letters</i> , 2015, 621, 58-64.	2.6	30
27	The investigation of reduced graphene oxide@ SnO ₂ â€ polyaniline composite thin films for ammonia detection at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 833-841.	2.2	31
28	The Investigation of Reduced Graphene Oxide/P3HT Composite Films for Ammonia Detection. <i>Integrated Ferroelectrics</i> , 2014, 154, 73-81.	0.7	36