Yuanwei Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4929892/publications.pdf

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24	600	759233 12	794594 19
papers	citations	h-index	g-index

24	24	24	1336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transparent graphene electrodes based hybrid perovskites photodetectors with broad spectral response from UVâ€“visible to near-infrared. Nanotechnology, 2022, 33, 085204.	2.6	3
2	Detection of Mercury Ion with High Sensitivity and Selectivity Using a DNA/Graphene Oxide Hybrid Immobilized on Glass Slides. Biosensors, 2021, 11, 300.	4.7	8
3	A Segmented Plasma Etching Method for 2.5D/3D Through Silicon Vias. , 2021, , .		0
4	Ultra-thin wafer technology and applications: A review. Materials Science in Semiconductor Processing, 2020, 105, 104681.	4.0	48
5	Highly sensitive detection for cocaine using an aptamer-modified molybdenum disulfide/gold nanoparticle microarray. New Journal of Chemistry, 2020, 44, 13466-13471.	2.8	2
6	The application of the scallop nanostructure in deep silicon etching. Nanotechnology, 2020, 31, 315301.	2.6	8
7	Perspective on chymotrypsin detection. New Journal of Chemistry, 2020, 44, 20921-20929.	2.8	3
8	Towards Microstructures with Ultrahigh Aspect-Ratio and Verticality in Deep Silicon Etching. , 2020, , .		1
9	Deep Dry Etching of Silicon with Scallop Size Uniformly Larger than 300 nm. Silicon, 2019, 11, 651-658.	3.3	15
10	Uniformity improvement of deep silicon cavities fabricated by plasma etching with 12-inch wafer level. Journal of Micromechanics and Microengineering, 2019, 29, 105010.	2.6	10
11	Revealing Chargeâ€•and Temperatureâ€Dependent Movement Dynamics and Mechanism of Individual Molecular Machines. Small Methods, 2019, 3, 1900464.	8.6	21
12	Estimating the Etching Depth Limit in Deep Silicon Etching. , 2019, , .		2
13	Molecular Physics: Revealing Chargeâ€•and Temperatureâ€Dependent Movement Dynamics and Mechanism of Individual Molecular Machines (Small Methods 12/2019). Small Methods, 2019, 3, 1970041.	8.6	0
14	Direct observation of single-molecule hydrogen-bond dynamics with single-bond resolution. Nature Communications, 2018, 9, 807.	12.8	78
15	Nanocrystalline Perovskite Hybrid Photodetectors with High Performance in Almost Every Figure of Merit. Advanced Functional Materials, 2018, 28, 1705589.	14.9	42
16	Oxidativeâ€Etchingâ€Assisted Synthesis of Centimeterâ€Sized Singleâ€Crystalline Graphene. Advanced Materials, 2016, 28, 3152-3158.	21.0	81
17	Novel exciton dissociation behavior in tin-lead organohalide perovskites. Nano Energy, 2016, 27, 638-646.	16.0	28
18	Chemically Engineered Substrates for Patternable Growth of Two-Dimensional Chalcogenide Crystals. ACS Nano, 2016, 10, 10317-10323.	14.6	16

#	Article	IF	Citations
19	Grapheneâ€“DNAzyme junctions: a platform for direct metal ion detection with ultrahigh sensitivity. Chemical Science, 2015, 6, 2469-2473.	7.4	40
20	Ultrahigh Photogain Nanoscale Hybrid Photodetectors. Small, 2015, 11, 2856-2861.	10.0	14
21	A universal etching-free transfer of MoS2 films for applications in photodetectors. Nano Research, 2015, 8, 3662-3672.	10.4	94
22	An organicâ€“inorganic hybrid perovskite logic gate for better computing. Journal of Materials Chemistry C, 2015, 3, 10793-10798.	5.5	77
23	Chemical Modification of Graphene and Its Applications. Acta Chimica Sinica, 2014, 72, 277.	1.4	8
24	Towards Tilt-Free in Plasma Etching. Journal of Micromechanics and Microengineering, 0, , .	2.6	1