Kevin M Cheung

List of Publications by Year
in descending order

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16	1,155	687363 13	996975 15
papers	citations	h-index	g-index

16	16	16	1477
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wearable aptamer-field-effect transistor sensing system for noninvasive cortisol monitoring. Science Advances, 2022, 8, eabk0967.	10.3	118
2	Multi-parametric functional imaging of cell cultures and tissues with a CMOS microelectrode array. Lab on A Chip, 2022, 22, 1286-1296.	6.0	20
3	Narrower Nanoribbon Biosensors Fabricated by Chemical Lift-off Lithography Show Higher Sensitivity. ACS Nano, 2021, 15, 904-915.	14.6	33
4	Implantable aptamerâ€“field-effect transistor neuroprobes for in vivo neurotransmitter monitoring. Science Advances, 2021, 7, eabj7422.	10.3	68
5	Chemical Lift-Off Lithography of Metal and Semiconductor Surfaces. , 2020, 2, 76-83.		14
6	Detecting DNA and RNA and Differentiating Single-Nucleotide Variations via Field-Effect Transistors. Nano Letters, 2020, 20, 5982-5990.	9.1	47
7	Lipid Bicelle Micropatterning Using Chemical Lift-Off Lithography. ACS Applied Materials & Interfaces, 2020, 12, 13447-13455.	8.0	13
8	Differential Charging in Photoemission from Mercurated DNA Monolayers on Ferromagnetic Films. Nano Letters, 2020, 20, 1218-1225.	9.1	15
9	Conformal Ultrathin Film Metalâ€“Organic Framework Analogues: Characterization of Growth, Porosity, and Electronic Transport. Chemistry of Materials, 2019, 31, 8977-8986.	6.7	11
10	Phenylalanine Monitoring via Aptamer-Field-Effect Transistor Sensors. ACS Sensors, 2019, 4, 3308-3317.	7.8	57
11	Spin-Dependent Ionization of Chiral Molecular Films. Journal of the American Chemical Society, 2019, 141, 3863-3874.	13.7	50
12	Polyserotonin Nanoparticles as Multifunctional Materials for Biomedical Applications. ACS Nano, 2018, 12, 4761-4774.	14.6	57
13	Aptamerâ€“field-effect transistors overcome Debye length limitations for small-molecule sensing. Science, 2018, 362, 319-324.	12.6	570
14	Large-Area, Ultrathin Metal-Oxide Semiconductor Nanoribbon Arrays Fabricated by Chemical Lift-Off Lithography. Nano Letters, 2018, 18, 5590-5595.	9.1	27
15	Polymer-Pen Chemical Lift-Off Lithography. Nano Letters, 2017, 17, 3302-3311.	9.1	39
16	Patterning of supported gold monolayers via chemical lift-off lithography. Beilstein Journal of Nanotechnology, 2017, 8, 2648-2661.	2.8	16